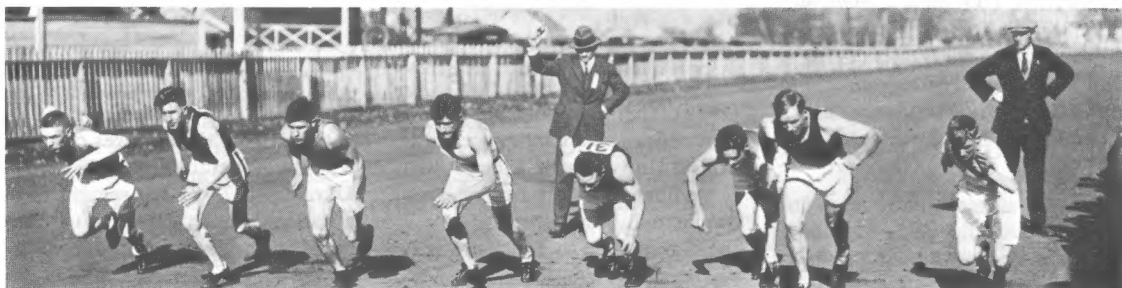


FOLIO NEW TRAIL

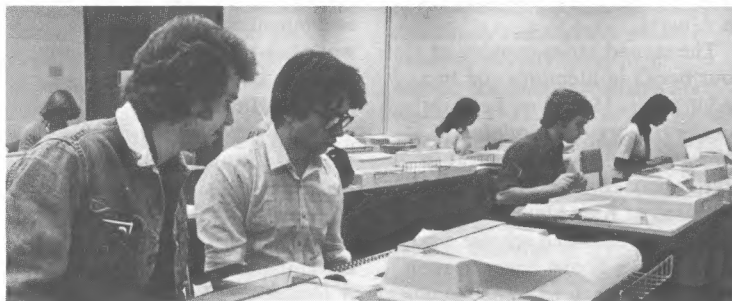


The University of Alberta will shortly present a bid with the City of Edmonton to host the 1983 World Student Games, *Universiade*. On another front, members of the Faculty of Home Economics would like Alumni to assist them in a historic sports clothing project for the University's seventy-fifth anniversary. Pages 7 and 8.



$$u(x, t) = \frac{2}{L} \sum_1^{\infty} \exp \left(-\frac{u^2 \pi^2 k t}{L^2} \right) \sin \frac{n \pi x}{L}$$

In *Research Reporter*, learn about some of the work being carried out at this University. Metaglossotherapy, Immunology, and Gamma Ray Computed Tomography are key words in this issue. Also, the Faculty of Education is involved in a project, the PRISM Project, to help students in school have a better understanding of Mathematics. Pages 11 to 13.



The Faculty of Business and Commerce thrives at The University of Alberta with many active links to the business world in Canada and abroad. Read about the Faculty on pages 3 to 6.

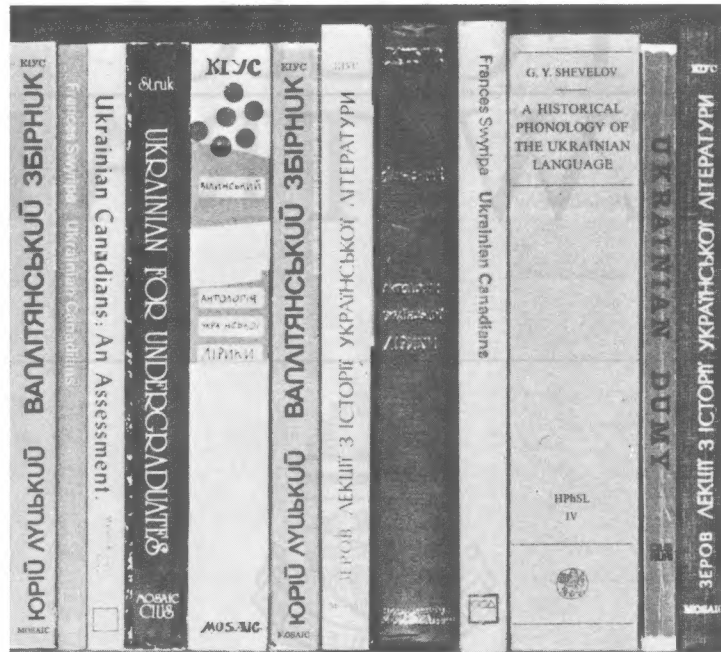
Also, catch up on news of former classmates in *Alumni Notes*. Pages 20 to 23.

New Publishing Centre on Campus

The Canadian Institute of Ukrainian Studies, established in July 1976 as an academic unit within Interdisciplinary Studies, is gradually emerging as a major publications centre on campus. To date, it has brought out eight books and seven issues of the *Journal of Ukrainian Graduate Studies*.

The books are published in two series: "The Alberta Library in Ukrainian Canadian Studies," a clothbound and paperback group dealing with past and present aspects of Ukrainian life in Canada, and "The Canadian Library in Ukrainian Studies," a group emphasizing developments in history, the humanities and the social sciences primarily in nineteenth- and twentieth-century Ukraine.

In the first series the Institute has published two books: F. Swyrypa, *Ukrainian Canadians: A Survey of Their Portrayal in English-Language Works* (1978) and M.R. Lupul, *Ukrainian Canadians, Multiculturalism and Separatism: An Assessment*



Examples of some of the CIUS' recent publications (photo: CIUS).

(1978). The latter contains the proceedings of a conference held at The University of Alberta in September 1977, the former is a monograph based on an MA thesis presented to The University of Alberta's Department of History. In preparation are the proceedings of a conference sponsored by the Institute at the University of Ottawa in September 1978 entitled, "Changing Realities: Social Trends Among Ukrainian Canadians," and "Recollections," the translated memoirs of numerous pioneers collected by Wasyl A. Chumer, himself a pioneer teacher in Manitoba and Alberta and later a businessman in Alberta.

The second series consists of four books in literature and two in language. M. Zerov, *Lectures on the History of Ukrainian Literature (1798-1870)* (1977; in Ukrainian), contains the lectures delivered at Kiev University in 1928 by a renowned scholar who perished in a Soviet concentration camp; G. Luckyj, ed., *The Vaplite*

Collection (1977; in Ukrainian), is taken from the archives of Vaplite, a literary group in Ukraine (1925-8) that spearheaded a national and cultural revival cut short by the onset of Stalinism; O. Zilinsky, ed., *An Anthology of Ukrainian Lyric Poetry* (1978; in Ukrainian), a sampling of Ukrainian lyric verse from the earliest times to 1919 collected and edited by an outstanding Ukrainian folklorist; and *The Ukrainian Dumy: Editio Minor* (1979; in English and Ukrainian), original lyrical epics (with facing translations) based on sixteenth- and seventeenth-century historical events, performed originally by wandering minstrels to musical accompaniment. This latter work has been published jointly with the Harvard Ukrainian Research Institute.

The two volumes in language are D.H. Struk, *Ukrainian for Undergraduates* (1979), a textbook prepared from the point of view of an English-speaker learning Ukrainian; and G.Y. Shevelov, *A Historical Phonology of the*

Ukrainian Language (1979), the fruit of many years work by an outstanding Slavic linguist (professor emeritus, Columbia University). The work was printed for the Institute by Carl Winter Universitätsverlag—a firm specializing in publishing texts in Slavic linguistics—and is the fourth volume in the series, "Historical Phonology of the Slavic Languages," edited by Professor Shevelov. It no doubt will be the most expensive book to ever bear the Institute's imprint, but other volumes in the highly technical series are equally expensive.

In preparation are J. Borys, "The Sovietization of Ukraine, 1917-1923: The Communist Doctrine and Practice of National Self-Determination," a revised, second edition of a pioneering study of Communism and the national question in Ukraine; J. Basarab, "Pereiaslav in Historical Perspective," an examination of the controversy over a major turning point in the history of Ukraine and Europe the 1654 Pereiaslav agreement between Hetman Bohdan Khmelnytsky and Tsar Oleksei Mikhailovich; M. Kotsiubynsky, "Shadows of Forgotten Ancestors," a translated masterpiece about a love story amidst the Hutsul mountaineers; and A. Humesky, "Modern Ukrainian," a first-year university Ukrainian grammar.

At the heart of the Institute's publications operation is the Anderson Jacobson 832 computer terminal in 352B Athabasca Hall, into which manuscripts are entered by an Institute staff member, Peter Matilainen. The data is stored in the Department of Computing Services until it is processed by Printing Services. The whole process is labour intensive and includes editing for content and style, the reading of printouts and galleys and book design. The Institute's distributor is the University of Toronto Press, except for books printed by Carl Winter or The University of Alberta Press. □

FOLIO NEW TRAIL

Volume Sixteen
Number Thirty-five

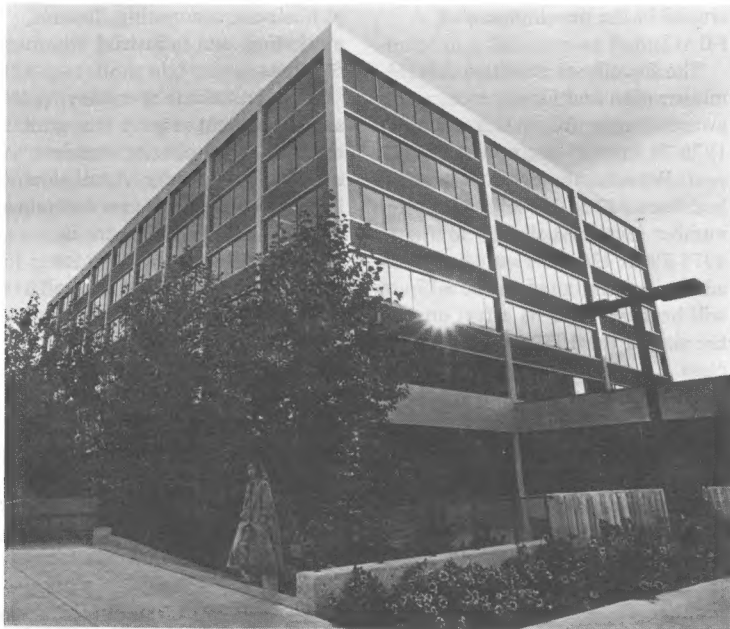
Folio/New Trail: Special alumni issue. Circulation: Five times a year; 65,000.
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Faculty Profile: Business Administration and Commerce



The Faculty is currently housed in the Central Academic Building (CAB).

The Historical Background

In 1916, eight years after the founding of The University of Alberta, the School of Accountancy was created within the Faculty of Arts and Science, thus signalling the formal initiation of business education at the University. By 1922, enrolment and interest had grown sufficiently to justify a move toward establishing a Bachelor of Commerce degree program. The first six BCom students graduated in 1929, a year that also marked the creation of the School of Commerce, which was still, however, a unit of the Faculty of Arts and Science. The Deans of that Faculty acted as Chairmen of the Commerce Council until the appointment of a Director for the School in 1949. Andrew Stewart, who went on to become President of the University, served as Director until 1954 when he was succeeded by F.G. Winspear. In the fall of 1955, B.A. Lindberg, formerly

of the Harvard School of Business Administration, followed Dr. Winspear as Director, a position he held until the spring of 1958.

The year 1959 brought Hu Harries's appointment as Director as well as major changes in the program. Dr. Harries mobilized Faculty resources and enthusiasm to meet new demands for high quality business education in a wide range of fields. He initiated his term of office by launching a five-year upgrading program, which included curriculum revisions and the extension of the undergraduate program from three to four years. These changes in the BCom program took effect 1 September 1960, the same date on which the School of Commerce was granted Faculty status with Dr. Harries as its first Dean.

Seven years later, in 1967, the undergraduate program was granted full accreditation by the American Assembly of Collegiate Schools of Business, an indication of the level of quality attained as a result of the upgrading program.

A major step taken by the

Faculty in 1964 was the introduction of a program of studies leading to a Master of Business Administration degree. Enrolment doubled between the MBA program's first and second years and increased more than six times during its first five years, from thirteen students at the start to over eighty in 1969, reaching 200 by 1976. Recognition of the high quality of the Faculty's MBA program was accorded in 1972 when it was granted accreditation by the American Assembly of Collegiate Schools of Business. This Faculty is now the only one in Canada with an undergraduate or MBA program accredited by AACSB.

During the first forty years of business education at the University of Alberta, enrolment in commerce programs grew slowly, from three students to approximately 150 by 1958, at which time the full-time staff complement had reached only six. During the sixties, however, enrolment and staff size increased sharply with almost 1,000 students pursuing BCom degrees by 1968 and full-time academic staff totalling thirty-five.

In more recent years, however, a divergence in student and staff growth rates has resulted in a student-staff imbalance which led to the imposition of a quota on admissions for 1977-78 and subsequent years. The quota is set at 210 for admissions to the first year of the BCom program plus 200 new students transferring from other Faculties at the University and from other institutions. Admission under the quota is based on past academic performance. Though the quota drastically reduced the number entering directly from high school, the long-run effects are expected to reduce the number of BCom degrees granted from 423 in 1978 to about 350 by 1981. At a time when Alberta and Canada continue to experience a serious shortage of well-trained managers, such a reduction appears inappropriate. The critical

nature of the problem, however, has been recognized and it is in light of this recognition that the increase in numbers of faculty referred to in "Recent Developments" should be viewed. In 1969 after L.C. Leitch, now Vice-President (Finance and Administration) of The University of Alberta, had served for a year as Acting Dean, E.J. Chambers assumed the position of Dean and for the next seven years guided the Faculty through a continued period of exceptional growth. After the sudden death of Dean-Elect J. Douglas Muir in the spring of 1976, Roger S. Smith assumed the role of Acting Dean for a year during which time he was appointed Dean-Elect to commence his duties in July of 1978 after a study leave in 1977-78. During Dean Smith's absence, Dr. D. Gordon Tyndall, a former Vice-President of Finance, served as Acting Dean.

Recent Developments

In recent years progress has been made in dealing with some of the Faculty's basic problems. One such problem is that of insufficient resources. Improvements in this situation occurred during 1978-79. The University administration allocated funds for the creation of five additional academic staff positions to the Faculty for 1979-80, in recognition of the shortfall in resources with which the Faculty had been working. In addition, the Board of Governors made a commitment that over the coming four years at least five additional positions will be provided to the Faculty. Both of these decisions were made to improve current management programs being offered at the Bachelor of Commerce level and the MBA level, and in recognition that current resources were inadequate to meet the needs of existing students, even if the quota on the BCom program were unchanged

and MBA enrolments held constant.

There now exists a stringent quota on admissions to the BCom program. The result of the quota in 1978 was that 295 high school graduates were denied admission to the Faculty although they met the general requirements for admission to the University. In addition, 345 applicants for transfer into the Bachelor of Commerce program were denied admission although they too met requirements for admission to the University. Thus, larger and larger numbers of well qualified applicants are being denied admission to the Bachelor of Commerce program. This is extremely unfortunate given the needs of Alberta and Canada for well qualified management manpower at this time.

In recognition of the need for an expansion of the Bachelor of Commerce program, the Board of Governors of the University of Alberta took important action in 1978-79. The Board approved a proposal from the Faculty to expand the quota on admissions from 410 to 560 over a three year period. This proposal, which was sent on to the Provincial Government for the necessary funding, requests that sixteen additional academic staff positions be added to the Faculty over the coming four years as the effect of the increased number of students impacts upon the Faculty. From the Faculty and University point of view, the linking of the quota expansion to provincial funding for this specific purpose is crucial in order to ensure that the Bachelor of Commerce and MBA programs at the University of Alberta maintain a high level of quality.

A recent event of tremendous importance to the Faculty has been the establishment of the Francis G. Winspear Chair in Professional Accounting. The Chair, which enables the Faculty to add a distinguished accountant of high academic standing to its Department of Accounting, was made possible through the generosity of the Winspear Foundation. This type of support from the private sector can contribute



Dean R.S. Smith

significantly to the development of The Faculty and the establishment of the first chair is a landmark in its history. An active search for an occupant of the Winspear Chair is underway.

The greatest challenge now faced by this Faculty, and by other faculties of management in North America experiencing expansion, is to attract the highly qualified manpower needed to permit the expansion of programs. Whereas one frequently hears of surpluses of PhD's in other disciplines, the reverse is true in management education. Graduate programs in Canada and the United States produce far too few graduates to meet the expanding needs of academic institutions. In a number of specialized fields—accounting, business policy, and finance—demand is several times supply. Effective recruiting of qualified personnel will be the greatest challenge faced by this Faculty in the next five years.

In recognition of expanding needs in the field of management education in Alberta and Canada, the Faculty proceeded with the development of proposals for two new programs during the 1978-79 academic year, one leading to a degree of Master of Public Management, and the other to a PhD. Although concern has been expressed about diverting resources from undergraduate education to graduate education, it is equally important to recognize that the demand and need for such new programs exists. If

the University of Alberta is to have a strong and leading school of management in the Canadian context, then such steps are crucial in the development of FBAC.

The Faculty of Business Administration and Commerce awarded more BCom degrees in 1978-79 than in any previous year. Whereas the previous high had been 412 in 1977-78, the number increased slightly in 1978-79 to 420. The quota on admissions, initiated in 1976-77, will begin to have its effect on the size of the 1979-80 graduating class. Thus, graduating classes from the BCom program are likely to be substantially smaller than the one in 1978-79, until funds are provided to enable an expansion of the quota. The number of Master of Business Administration students graduated in 1978-79 was forty-three. This number was a slight drop from the forty-seven graduated in 1977-78. The MBA program is expected to expand in the future as the demand for University of Alberta MBA graduates remains very strong.

Study Programs

The Faculty of Business Administration and Commerce presently offers two degrees: Bachelor of Commerce and Master of Business Administration.

The four-year BCom program consists of forty term-courses of three credits each for a total of 120 credits. The program has the function of providing an education in general, and providing specific education in the skills and practices of management in business, industry and government organizations. The individual student is allowed considerable flexibility with regard to course requirements. A minimum and maximum number of courses are to be taken within the Faculty. This requirement ensures that the student will acquire a sufficient working knowledge as well as an introduction to a wide range of careers.

The required courses studied

within the Faculty stress the basic disciplines of economics, quantitative methods, behavioral science, and the functional areas of business, accounting, finance, marketing, and industrial relations.

The limitations of money, space, and equipment require that quotas control the number of students entering the Faculty. Admission is based on academic performance in high school. Preference is given to Alberta residents for eighty-five percent of the available positions. For the next few years the number of students admitted will be fixed at 210 from the high school level.

Career opportunities for employment of graduates are many and include an extremely wide range of occupational areas. These areas range from business economics and industrial relations to accounting, finance, and marketing. The 1979 survey of University graduate employment, conducted by the Canada Employment Centre on campus, indicates that seventy-six percent of Commerce graduates find job related employment upon graduation. Average starting salaries are \$1,265 per month.

The MBA degree has a two-year program designed for students with varied educational backgrounds, such as liberal arts, engineering, education, business administration, science, and others. The particular combination of courses and length of time to complete the program depends on the academic background of each individual student.

The educational philosophy of the MBA program accords with the ideas expressed by Alfred North Whitehead: "Whatever be the detail with which you can cram your student, the chance of his meeting in after-life exactly that detail is almost infinitesimal; and if he does meet it, he will probably have forgotten what you taught him about it. The really useful training yields a comprehension of a few general principles with a thorough grounding in the way they apply to a variety of concrete details. In subsequent practice the men will have forgotten your particular details; but

they will remember by an unconscious common sense how to apply principles to immediate circumstances."

The MBA program stresses the common principles that underlie the operations and management of all types of organizations. It attempts to develop the student's critical, analytical, problem-solving, and decision-making capabilities, and to give him both a sense of mission and a sense of confidence in his abilities. The MBA program is designed for

well-qualified students preparing for professional careers in management; consequently admission requirements are high.

A proposal for the establishment of a Master's of Public Management degree has passed through various University committees, the latest of which was General Faculties Council. The proposal now goes to the Board of Governors. If approved there, it will be forwarded to the provincial government with a request to fund the program.

Enrolment Trends: The Male-Female Mix

The past decade has shown a rapid growth in the number of women enrolling in the Bachelor of Commerce program at The University of Alberta. As the following table shows, female enrolment grew from six percent in 1970-71 to twenty-nine percent of the total enrolment in 1978-79. Whereas the number of women in the BCom program has remained relatively constant for the past three years because of the imposition of the quota in 1977, women students have continued to grow as a percentage of total enrolments, and their absolute number would also have grown

rapidly had the quota not been imposed. In percentage terms the rate of increase in female enrolment has been extremely rapid, growing by 544 percent over the past six year period from 1970-71 to 1976-77, prior to the imposition of the quota. During the same period male enrolment grew by only twenty-nine percent.

The situation in the MBA program has been similar, and it too shows a sharp increase in women as a percentage of total enrolment in recent years—from twelve percent in 1974-75 to twenty percent in 1978-79.

Male and Female Enrolment in the Bachelor of Commerce Program

Year	Male	Female	Total	Percentage Female
1970-71	1055	63	1118	5.6%
1971-72	1190	103	1293	8.0
1972-73	1224	176	1400	12.6
1973-74	1368	200	1568	12.8
1974-75	1494	280	1774	15.8
1975-76	1490	343	1833	18.7
1976-77	1359	406	1665	23.0
1977-78*	1127	406	1533	26.5
1978-79	982	400	1382	28.9

*The quota became effective in 1977-78, causing the sharp drop in total enrolment at a time when demand continued to expand. (The quota was partially effective beginning in 1976-77. Transfer admissions were restricted for that year but high school admissions were not.)

Male and Female Enrolment in the MBA Program

Year	Male	Female	Total	Percentage Female
1974-75	200	22	222	11.9%
1975-76	209	34	243	14.0
1976-77	171	32	203	15.8
1977-78	175	36	211	17.1
1978-79	206	52	258	20.2

A survey conducted in 1978 by the Faculty of Business Administration and Commerce identified 115 vacant academic positions in Canadian business schools, and another sixty positions expected to become available in 1979-80. These alarming figures are one reason that the Faculty is currently working on a proposal for a PhD program. If the proposal results in the establishment of a program, students would have the opportunity to study in specialized areas such as accounting, finance, organizational behavior and management science. At the very best it will be several years before the PhD program will become reality. However, the increasing demand for such a program suggests that the Faculty will be successful in its proposal.

Serving The Wider Community

Members of the Department of Accounting continue to devote substantial time to committee responsibilities with the Institute of Chartered Accountants of Alberta. Staff members have been active with the ICAA Policy Planning Committee, the Inter-provincial Examinations Board in Chartered Accountancy, the Professional Board of Examiners in Chartered Accountancy in Alberta, the Education Committee of ICAA, and the Canadian Academic Accounting Association. Individuals also contribute to the education programs of the professional accounting associations. Courses have been taught for the ICAA and the Society of Management Accountants. Numerous other courses offered through the Faculty of Extension, Banff School of Advanced Management, and in in-house training programs in the public and private sectors are instructed by Faculty staff.

Other professional services to the community include the establishment of the Alberta Foundation for Economic Education, and significant contributions to the development of course materials for Athabasca University and service to the community in the

area of arbitration and grievance proceedings. Positive steps in the development of curricula for the Banff School of Advanced Management will result from the Task Force report on International Business and the professional Services of Faculty members.

The Management Advisory Institute

The Management Advisory Institute (MAI) was created in 1975 when the Board of Governors signed an agreement with the Federal Department of Industry, Trade and Commerce. Under the terms of its agreement with the University, the Department of Industry, Trade and Commerce agreed to provide funding of \$50,000 during each of the first three to five years, after which time the Institute was expected to be self-supporting.

Specific goals for the Institute continue to be dissemination and sharing of current knowledge with the wider management community, development of the management consulting industry's capability to serve Alberta business, and service in a consulting capacity on specified direct assignment.

The Board of Directors of MAI includes representatives from small and medium sized businesses, consulting firms providing services to businesses of all sizes, accounting firms, a labor union, special interest groups affected by MAI activities, the University President and members from various Faculties including the Deans of Business Administration, Engineering, and Extension.

In the past two years, the Institute has provided consultation on a non-fee basis to over forty individuals and businesses and on a fee basis to fourteen organizations including governments, businesses, and associations.

The Institute is a member of the Canadian, Alberta, and Edmonton Chambers of Commerce and the Canadian Federation of Independent Business. It recently became a member of the International Council for Small Business and participated in its first meeting in Canada in June 1979.

The Kenya Project

In 1971, the Faculty of Business Administration and Commerce contracted with the Canadian International Development Agency (CIDA) for sponsorship of a technical assistance program at the University of Nairobi in Kenya. Under the terms of this agreement, the Faculty undertook to contribute its resources and expertise to the development of a high quality Faculty of Commerce at the University of Nairobi, one that would be self-sustaining and predominantly African. Specifically, the Faculty agreed to work toward:

- expanding and developing the graduate and undergraduate programs in the Nairobi Faculty of Commerce,
- training Kenyan staff and post-graduate students in Canada and in Kenya, in order that they might ultimately fill all academic positions in the Nairobi Faculty,
- providing resource teaching and research materials for the library,
- developing a viable administrative support unit,
- improving liaison with the Kenyan business community and government bodies, and
- furthering applied research activities undertaken in cooperation with the Kenyan management community.

The Faculty's former Dean, E.J. Chambers, served as Project Coordinator in Edmonton during the first five years. From 1971 to 1974 the late J.D. Muir was Dean of the Faculty of Commerce in Nairobi and from 1974 to 1976 D.G. Tyndall served in Nairobi as Project Coordinator. John Brown also spent two years in Nairobi on secondment from the Faculty and was Project Director from 1976 to 1979, at which time Rolf Mirus was appointed as Project Director.

Today, many of the objectives listed above have already been attained or are close to being achieved. Unfortunately, a reduction in funds available for this type of project through CIDA means that the Kenya project as it currently exists will come to a close in 1980. Nevertheless, it is hoped that funds will become



BAC students in one of the H.M. Tory Lecture Theatres.

available, perhaps from other sources, to enable the program to be continued. In this regard, it is worthwhile to review the progress made.

By 1976 an MBA program had been established and the undergraduate program much improved. By that time, too, over twenty members of the total staff of forty-six were Africans, as compared with two in 1971. At one point, nine Canadians were serving in Nairobi, a number that was reduced to one by the end of the first five years. In the 1978-79 academic year, Kenyans continued to play an increasingly important rôle within the Faculty of Commerce at the University of Nairobi, to the extent that, out of a total staff of twenty-seven, sixteen were Kenyan.

The Faculty is operating efficiently in every sense of the word. With a staff of never more than thirty, already over 800 people have graduated from the Faculty with BCom degrees and over thirty MBA degrees have been awarded. These degrees are well regarded by students and employers and demand in Kenya for such graduates remains very strong.

In 1975 the Kenyans requested extension of the original agreement for a further three years. Although the Project had suc-

cessfully achieved the design and implementation of curricula indigenous and relevant to the African management community and had also accomplished the goal of placing Africans in the majority of staff positions, there remained a need for assistance in strengthening the Kenyan research capability.

Chief among the innovations in the three-year extension agreement approved by CIDA was provision for short-term exchange visits between Kenyan and Canadian academic staff members. Faculty from The University of Alberta visited Kenya in the summer of 1977 to serve as external examiners and a limited number of secondments have been arranged to allow senior research scholars to assist the Kenyans to build a solid research foundation at the University of Nairobi.

Research

The Faculty of Business Administration and Commerce is committed to continuing research in a wide variety of administrative, entrepreneurial, and managerial fields. With the assistance of the J. Douglas Muir Research Fund, established to commemorate the late Dean Elect who died suddenly in 1976, projects such as the

development of an integrated energy model for Alberta, a study of consumer satisfaction and dissatisfaction, and investigation into the nature and functions of organization structures have prospered. Also, a number of external agencies have supported many different research endeavors. The National Research Council, for example, has supported an analysis of scheduling policies in queuing systems, the Canada Council continues to assist work on relative price changes and inflation, occupational health and safety regulations are the subject of a study funded by the Institute for Research on Public Policy, and the Government of Canada's Department of Communications currently supports research into the ownership of Canadian broadcasting institutions.

Such research topics and projects, however, are merely representative of the many worthwhile inquiries underway in the Faculty. In addition to these types of projects which have received generous financial support, numerous other research activities are undertaken in the Faculty. Faculty members regularly contribute to major learned journals and are the authors of specialized monographs which cover the whole gamut of the Faculty's interests, from economics to managerial strategies and from airline regulations to investigations of the Canadian federal income tax system. In addition, Faculty members participate actively in many public and professional meetings. Here they present research papers and, on many occasions, assist in the administration of such meetings and conferences.

To sum up: In the Faculty of Business Administration and Commerce, there is a heavy commitment to research, both pure and applied. Equally important to members of the Faculty, however, is the publication of their findings either in print form or in the delivery of research papers at public and professional meetings, at which they can converse with their colleagues both within and outside The University of Alberta. □

The Universiade of Alberta

"You must surely become an athlete for nothing makes a man so famous for life as what he can do with his hands and feet."
... Aristotle

Many of us, at some point or other in our lives, have entertained such a thought. It probably cropped up quite frequently too until we realized that our talents were too limited or that the sacrifices which must be made in order to reach the top were too great or that our interest was waning in favor of more lasting, lucrative pursuits. Still, the thought or some variation of it stays in the background of our consciousness, ready to give us a lift should an energy crisis occur during, say, a competitive game of tennis on a Saturday morning or a Sunday



UNIVERSIADE
EDMONTON 83

afternoon run over a demanding course. What can really return the thought to the fore and keep it there for an extended period is the sight and sound of gifted, superbly trained athletes performing in a setting which showcases their abilities and which fairly coaxes them to give their all. It was that way at the 1978 Commonwealth Games and it will likely be that way at the 1983 World Student Games, Universiade 1983. The University of Alberta/City of Edmonton, having tasted success by being named recently as the Canadian site for the Universiade, will proceed to the global level where the joint bid will be considered by the Fédération Internationale du Sport Universitaire (FISU)

at its meeting to be held in the near future in Moscow. At present, Rio de Janeiro is the only other city bidding to host the Universiade. One reason for the paucity of bids is the high cost of building the facilities necessary to accommodate a variety of sports and to house some 3,000 athletes. As the University/City bid has it, the legacy of world class facilities from the Commonwealth Games can readily accommodate all the sports of the Universiade program excepting tennis and basketball for which a new facility will be built. The other main sports of the Universiade include athletics, swimming, diving, volleyball, and gymnastics. The 3,000 athletes will be from 85 nations,

as compared with the 2,000 athletes from 45 countries who competed in the Commonwealth Games. As for quality... about three-quarters of the Universiade athletes will be representing their respective countries at the 1984 Summer Olympics (assuming of course that the Olympics are still with us then).

A cultural program would parallel the Universiade with a number of exhibitions and performances being mounted at various locations throughout the city. Dance, music, theatre, sculpture, and photography are some of the arts which could be savored by Edmontonians and the estimated 240,000 visitors.

The Faculty of Physical Edu-

cation and Recreation is intent on organizing an International Conference/Congress as another part of the Universiade. Additionally, a Congress on Sport History is planned for Edmonton in the summer of 1983 and organizers are prepared to adjust the dates of this event in order to allow delegates to attend the Universiade as well as other sport and cultural activities. The proposed dates of the Universiade are 5 to 15 August.

Between now and the April meeting of the FISU we can all play one sport—the waiting game—and extend best wishes for a successful presentation to President Horowitz, Mayor Purves, and the other members of the Moscow delegation. □



The proposed Fieldhouse will be used to host several events and will accommodate some 10,000 spectators.

University Sports Clothing: Yesterday and Today

In 1982-83, The University of Alberta will celebrate the seventy-fifth anniversary of the start of regularly scheduled classes. To help commemorate the anniversary, the Clothing and Textiles Division of the Faculty of Home Economics is undertaking a study of the historical development of sports clothing at our institution.

The project, as it is envisioned by Professor Anne Lambert and her student colleagues J. Andrews and S. Cummins, will involve the documentation, collection, and presentation of artifacts. Such artifacts will demonstrate the changing costumes, players and equipment of such sports as basketball, hockey, track and field athletics, swimming, rugby, skating

and skiing since 1908.

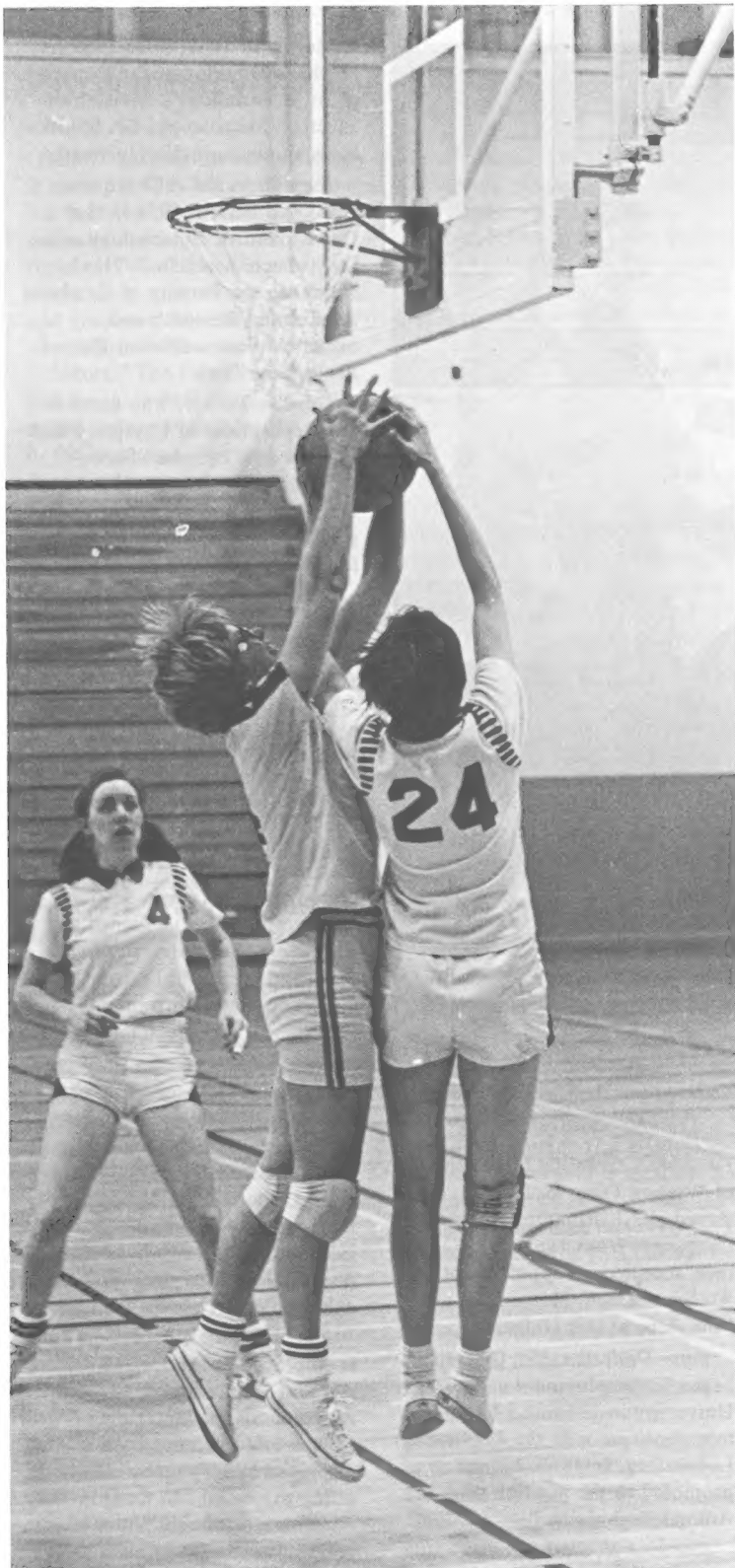
The success of the project is dependent upon the acquisition of old photographs, memories, and actual uniforms or other memorabilia. Thus any alumnus or alumna who was active in sports during the last seventy-five years, and who is interested in sharing memories and memorabilia with a wider public, is

invited to contact the Clothing and Textiles Division at the Home Economics Building, The University of Alberta, Edmonton, Alberta, T6G 2E7, telephone number 432-3824.

Any assistance which readers of *Folio/New Trail* can offer to the project will be very welcome indeed. □

Women's basketball team, 1919.





Women's basketball team, 1970.



Rugger squad, 1915.



Rugger squad, 1970 (all photos courtesy of University of Alberta Archives).

University Honors Long Service Staff

As The University of Alberta approaches the seventy-fifth anniversary of the start of regularly scheduled classes, it is interesting to note that quite a few staff members have been employed here for over a third of the institution's life to date. Recently, on 14 January 1980, the Governors held a special ceremony in which the contributions of such employees, academic and non-academic alike, were honored.

Invited to the ceremony in the Papaschase Lounge of The Faculty Club were members of staff who have recently completed twenty-five years of service at the University. Full tribute was paid to the employees for their devotion to our institution, and, as token of the University's appreciation, each member of staff was presented with an engraved plaque.

The employees honored by the University on 14 January are:

Mike Bajger, who joined the University in 1954 in Housing and Food Services. In 1968, he was appointed Chef de Cuisine, a position which he still holds.

J.W. (Bill) Carmichael, who joined the Department of Bacteriology as an Assistant Professor in 1954 on completion of a PhD at Harvard. Since 1973, he has been employed on a part-time basis as Professor of Medical Bacteriology.

George E. Ball, who currently is Chairman of the Department of Entomology. He arrived here in 1954 and holds degrees from Cornell and Alabama. In 1965, Dr. Ball was appointed Professor.

Yvonne Goodman. Miss Goodman first came to the University in 1952, when she was appointed to the Provincial Laboratory of Public Health. Transferred to the academic staff in 1963, she is now employed in the Department of Medical Bacteriology.

Helmut Hesemeier. Mr. Hesemeier joined the staff of this institution some twenty-five



N.A. Lawrence, who will retire from the Board of Governors and his position as Chairman of the Committee on Community Relations this month, presents a plaque to Y. Goodman of Medical Bacteriology.

years ago as an hourly worker in the Department of Physical Plant. He currently holds the position of Painter Foreman.

Lydia Kupfer, who retired in January of this year. She started her employment here in 1954 in Housing and Food Services as a Dishwasher and was promoted to Food Services Worker I in 1968.

Auron Levine, who joined the Department of Chemistry twenty-five years ago. First employed as a Laboratory Assistant in that department, he was appointed Specialist Storeskeeper in 1970.

Charles H. Moore. Dr. Moore came here as Lecturer in Modern

Languages from the University of Western Ontario. Having served as Chairman of Romance Languages from 1967 to 1972, he then accepted an appointment as Associate Dean, Humanities and Fine Arts, at this University.

Peter Ondrejka. Mr. Ondrejka began his employment at the University in 1954 as a Laboratory Assistant with the Provincial Laboratory. In 1968, he was promoted to the position of Animal Technician I.

Theodor K. Shnitka, who started his employment here in the Faculty of Medicine as an Instructor in Pathology. Appointed

Professor in 1967, since 1969 he has been Director of the Department of Pathology's Division of Electron Microscopy. Dr. Shnitka is an alumnus of this University.

Joan Shore. Miss Shore was employed here in 1954 in the Department of Entomology as a Steno Technician. In 1971, she moved to the Faculty of Graduate Studies and Research and became a Senior Student Record Processing Clerk.

Gordon Tucker, who came to the Department of Physical Plant in 1954 as a Plumber. Some twenty years later, in 1974, Mr. Tucker was promoted to the position of Mechanical Supervisor in the same department.

William Vandervlugt. Mr. Vandervlugt joined the Department of Physical Plant twenty-five years ago as a caretaker. He has remained in the same department ever since, becoming in 1972 a Building Service Worker II.

Jac. P. Verschuren. Dr. Verschuren is currently Chairman of the Department of Civil Engineering. Having entered employment here as a Sessional Lecturer in 1954, he gained an MSc from this University in 1960 and later a PhD from Colorado State University.

Harry Wohlfarth, who is a member of staff in the Faculty of Extension. Professor Wohlfarth has studied at the Art Academy of Dresden, in Salzburg, and is an alumnus of the State University of Guanajuato, Mexico. During his twenty-five years in Edmonton, his work has been displayed in numerous "one man" exhibitions in Canada and abroad.

Norman Yates. Professor Yates is employed in the Department of Art and Design and is an Associate of the Ontario College of Art. His work has been displayed in very many solo and group exhibitions in Canada and elsewhere. Professor Yates has received several commissions including one in 1966 for an exterior mural for the Engineering Building. □

Research Reporter

Psychotherapy Method Being Tested

"Death." Defined in the dictionary it is simply "the end of living," but for most of us the word has connotations beyond that. And for a very few of us the word conjures up such strong pictures and emotions that they impede our ability to function rationally.

"Mort." The French equivalent has the same definition, but, unless we are French or fluent in the language, the word itself does not trigger any emotions or patterns of thought.

At the University, Bruce Bain, an Associate Professor of Educational Psychology, is taking advantage of what this illustrates to develop a psychotherapy for people with phobias and communicative disorders that are keeping them from leading a normal life. Metaglossotherapy is the name he has given to the therapy now in the experimental stage.

Dr. Bain identifies "a curious dominance of language reality over concrete reality" as general to the human condition. "In other words," he says, "what frightens and excites people are not things but opinions and fancies about things." And this, he says, leaves us open to endless possibilities of manipulation—by our own self as well as by others. Often, instead of using our language, we are used by it.

The psychotherapist encouraging a patient to take a critical attitude to reality can be hampered when the language used in therapy is the same language which is intimately intertwined in the difficulties in dealing with reality.

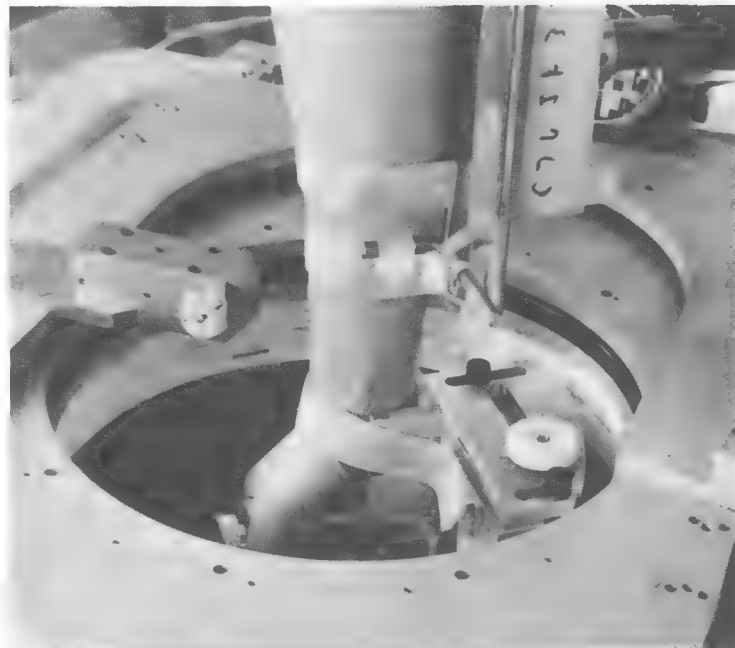
Says Dr. Bain: "In the 'normal person' the tendency to reshape reality verbally to suit one's own desires, fears and hopes typically results in the unique characteristics of our personality. In times of stress, however, we are all quite capable of creating a reality that is psychologically dysfunctional.

In cases of severe stress it often becomes very difficult to help a person recreate their 'normal world view' when the one and the same means of doing so—their mother tongue—is still vitally implicated."

Metaglossotherapy involves teaching a patient to deal with reality through another language, one not intertwined with his vital self. Dr. Bain believes that, besides redirecting attention away from the 'reality' which the patient has created with his mother tongue, the very use of unfamiliar words and phrase can cause the patient to pause and critically reflect upon what he or she is saying and doing.

There is no intention to teach mastery of a foreign language, just a package of words and phrases to help deal with problems in a less emotional way. For a patient afraid of heights the package might comprise foreign substitutes for words such as "high," "ladder," "stairs," "up," and so on. The language could be any not known to the patient. Between them, Dr. Bain and his chief collaborator, graduate student Agnes Yu, "can manage in" seven languages; therefore assembling an appropriate word package is rarely a problem. The artificial language Esperanto is the one used most often as it has the advantage of being relatively easy to learn compared to a natural language.

Dr. Bain points out that he sees Metaglossotherapy as a therapeutic aid, to be used in certain cases as an adjunct to standard counselling or therapeutic procedures. At present, it is still in the experimental stages, and Dr. Bain and Ms. Yu have applied it only in particularly appropriate cases. The technique is also being tested in other parts of the world, for example, in Hawaii, Hong Kong, and Mexico.



Research undertaken in Switzerland has shown that the condition of the appendicular skeleton (as shown by a forearm scan) accurately reflects the condition of the axial skeleton—the spine.

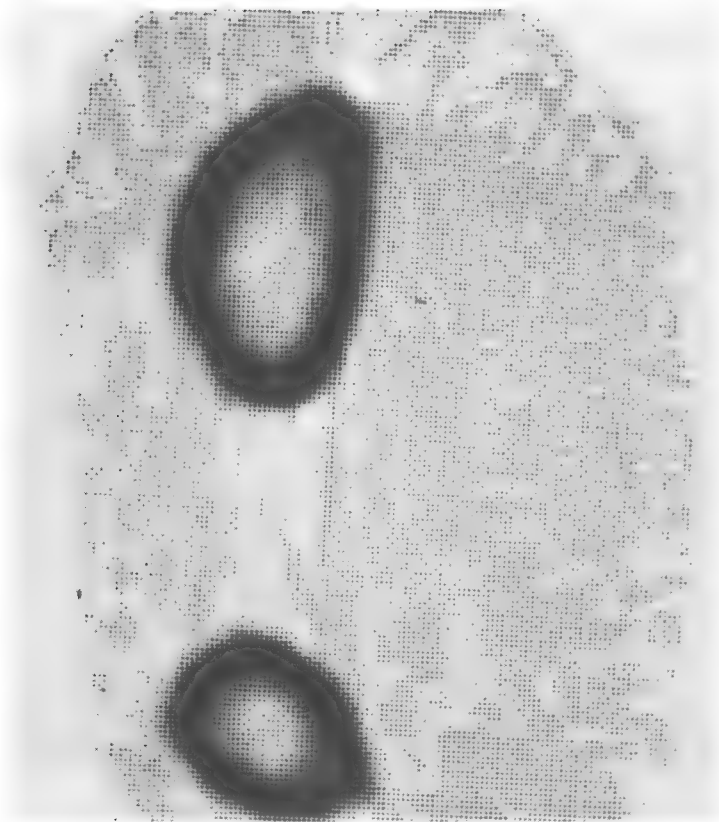
Gamma-Ray Computed Tomography Developed by Biomedical Engineering Division

The naked eye compared to the microscope. That is how T.R. Overton contrasts the traditional x-ray methods for evaluating the overall state of health of the human skeleton to a new method developed at this University. Known as gamma-ray computed tomography, the method was developed by a research group in the Division of Biomedical Engineering and Applied Sciences, Faculty of Medicine.

The facts presented by Dr. Overton, director of the Division, support the dramatic comparison. There must be a loss in bone mass of between 30 and 50 percent before the changes can be detected using radiographic methods; the new technique, on the other hand, can accurately measure changes in bone mass of less than 0.5 percent. Radiation exposure of the patient is also greatly reduced; gamma-ray

computed tomography requires less than one one-hundredth of the quantity of radiation needed to produce the usual x-ray film, and this radiation is directed upon a small area of an arm or leg rather than upon the pelvic region as is required for x-rays of the lower spine.

Dr. Overton says that physicians are becoming increasingly aware of the need to have a good knowledge of skeletal status in health and in disease situations. To the present time, in contrast to the case for most other medical diagnostic tests, no high precision technique has been available to evaluate the skeleton. Gamma-ray computed tomography fills this gap, he says. He envisages the system becoming a standard piece of hospital diagnostic equipment once its value has been demonstrated to the medical profession. And cost



These cross-sectional views of the forearm obtained using the gamma-ray computed tomograph illustrate (on the left) normal bone



and (on the right) how bone density has deteriorated as the result of renal disease.

should not be a stumbling block to the widespread use of this technique since Dr. Overton and his colleagues built their scanner for about \$15,000.

For the initial clinical application of this new system, the main University computer is being used to perform the tomographic image reconstructions. However, off-line data processing is very expensive, and it does not allow the system to operate efficiently. Dr. Overton says he has requested support from several sources to set up a stand-alone gamma-ray computed tomograph system; a minicomputer with a special memory and TV display would be added to the scanner at a cost of about \$100,000. This stand-alone scanner would provide "instant" results from each bone density measurement and allow the new technique to be exploited in medical diagnosis and therapy.

The idea of computed tomography is not new; the technique

has been used since 1973 to obtain cross-sectional (x-ray) images of several parts of the human body, most often the brain. The developers of this technique, Drs. Hounsfield and Cormack, were recently awarded the Nobel Prize for Medicine and Physiology for their pioneering work in this field. However, the gamma-ray computed tomograph system constructed in Dr. Overton's laboratory is one of only five such machines in the world. The other four machines were constructed by the Institute of Biomedical Engineering, University of Zurich; one of these is now with NASA in Houston, one with the Medical Research Council in England and two remain in Zurich. Dr. Overton says that the University of Alberta system is the most technically advanced of all of these machines. For example, the Alberta system measures a two millimetre thick cross section

through the wrist in one and one-half minutes with a resolution of 0.3 millimetres and an accuracy of better than 0.5 percent for density determinations. All other gamma-ray computed tomograph systems require about five minutes per scan for a 0.6 millimetre resolution and an accuracy of two to five percent in density.

The primary application of the system at The University of Alberta is to measure bone density in the appendicular skeleton, that is arms and legs. These scans vividly show the distribution of mass within the bone—both in the hard outer cortical bone and in the spongy trabecular interior bone. While it is not yet generally accepted that the status of the appendicular skeleton accurately reflects the status of the axial skeleton—the spine—work recently carried out at the University of Zurich, and being repeated here, indicates that

trabecular bone densities at these sites are highly correlated. If this finding can be generally verified then a sample measurement of the forearm could provide important information concerning diseases which are associated with changes in the health of the skeleton—kidney disease is but one example, and many cancer patients and the elderly also encounter bone problems.

The gamma-ray system is expected to have its greatest use in the evaluation of therapy for bone disease. According to Dr. Overton the machine developed by his group has detected changes in bone density resulting from drug therapy in only three days following drug administration. With the traditional x-ray methods, many months must elapse before the changes in bone density can be detected.

coming events

Films

SUB Theatre

All showings at 7 and 9:30 p.m.
13 and 14 March. "Swept Away,"
"Seven Beauties."
15 March. "Shampoo" with
Warren Beatty and Goldie Hawn.
16 March. "Abba."
19 March. Monty Python's
"Life of Brian."

The National Film Theatre

13 March. 9 p.m. "Death of the
President." (Poland 1977)
14 March. 7:30 p.m. "Mother
Joan of the Angels." (Poland
1960).
9:15 p.m. "The Siberian Lady
Macbeth." (Yugoslavia, 1961)
19 March. 7:30 p.m. "Charlie
Chaplin double feature. "The
Circus." (1928)
8:45 p.m. "The Great Dictator."
(1940)
20 and 21 March. 7:30 and
9 p.m. "The Best of the '79
Cannes Festival Commercials."
For information on the above
please telephone the Citadel
Theatre, 9828 101A Avenue,
426-4811, extension 69.

Alberta Culture

16 March. 4 and 7 p.m.
Canadian Indian films.
"Porcupine Quill Work," "The
Other Side of the Leger," and
"Indian Momento." Provincial
Museum.

The Provincial Museum

15 March. 2 p.m. "The
Promised Land."
8 p.m. "Galapagos" with J.
Wilson.

You Asked For It Series

15 and March. 2 p.m. "Paint
Your Wagon," with Lee Marvin

and Clint Eastwood. Centennial
Library.

German Film Festival

18 March. 8 p.m. "Urlaub zur
Beerdigung/Holiday for the
Funeral" (1978)
25 March. 8 p.m. "Einer Von Uns
Beiden/It's Either You or Me."
(1974) Centennial Library

Music

Department of Music

The following concerts and
recitals will be given in
Convocation Hall, Arts Building.
There is no admission charge.
14 March. 8 p.m. Catherine
Vickers, piano, winner of the
1979 Busoni Competition and
guest in the Department of
Music's Visiting Artists Series.
31 March. 8 p.m. The University
of Alberta Flute Ensemble,
conducted by Alan Clarke.

Edmonton Recorder Society

14 March. 8 p.m. Meeting at the
Southwest Cultural Centre,
115 Street and 74 Avenue.
Performance night—bring
recorders and stands. Telephone
467-1402 for more information.

The South Side Folk Club

22 March. 8 p.m. The South Side
Folk Club Concert with Chris
Rawlings from Montreal and
Jim Hay, David Keegan and
John Shanahan. Tickets at Keen
Kraft Music and SU Box Office,
HUB. For information call
475-1042 or 475-2260.

The Alberta Baroque Ensemble

16 March. 3 p.m. The ensemble's
first concert. St. Andrews United
Church, 9915 148 Street. Free
admission.

Explorations VIII

17 March. 8 p.m. "Winds in
Ensemble." Convocation Hall.
Free admission.

The Brian Webb Dance Company

20 and 21 March. 8 p.m. SUB
Theatre. \$6 and \$4.50 for
students.

The Edmonton Opera Association

20, 22, 24, and 26 March.
8 p.m. "The Most Happy Fella."
Jubilee Auditorium. Tickets at
Mike's, HUB box office, West
Den, 15126 Stony Plain Road,
or the Opera Office, 10102
101 Street, #503.

Lectures and Seminars

Public Lecture

14 March. 3 p.m. California
environmentalist, D. Browers, is
keynote speaker for "Energy Days
at U of A." Tory Lecture
Theatre II.

Public Lecture

14 March. 7:30 p.m. J. Nelson,
author of *Embodiment: An
Approach to Sexuality and
Christian Theology*, will discuss
"Human Sexuality in a Christian
Context." SUB Meditation room.
Sponsored by the University
Chaplaincy and St. Stephen's
College.

Division of East European Studies

14 March. 11 a.m. F. Tanguay
of the federal department of
External Affairs will talk about
"Canada's Foreign Policy in
Relation to Eastern Europe."
311 Athabasca Hall.

Seven Arts Club

17 March. 7 p.m. The Seven Arts
Club are celebrating St. Patrick's
Day with a banquet at the
Edmonton Club, 10010 100
Street. Telephone 488-5397 for
information.

Public Lecture

18 March. 12 noon. J. Hackler
will talk about "Juvenile Courts
in Vienna, Paris, England, and
Canada." Music Room of the
Centennial Library, Sponsored by
the Faculty of Extension,
Department of Sociology, and the
Edmonton Public Library.

Department of Physics Distinguished Lecture Series

F. Gilbert of the Institute of
Geophysics and Planetary
Physics at the University of
California will present the

following lectures on Seismology.
17 March. 3 p.m. "Journey to the
Centre of the Earth—With
Apologies to Jules Verne."
P-126 Physics Building.

18 March. 3:30 p.m. "Obser-
vations of Attenuation and
Splitting in Low Frequency
Seismology." V-128 Physics
Building.

19 March. 3:30 p.m. "Compu-
tational Methods for the Earth's
Seismic Normal Modes."
V-128 Physics Building.

20 March. 3:30 p.m. "Noisy
Linear Equations and Discretized
Inverse Problems." V-128 Physics
Building.

Canadian Institute of Ukrainian Studies

18 March. 12:30 p.m. A.
Chernenko-Rudnytsky will talk
about "Impressionism, Expres-
sionism and Ukrainian Literature."
352C Athabasca Hall.

The Boreal Institute for Northern Studies

18 March. 8 p.m. R. Finnie will
discuss "The Canol Project
(1942-1944): An Eyewitness
Account." CW 410 Biological
Sciences Building.

The University Parish

18 March. 6:30 p.m. President
Horowitz will be guest speaker at
the annual "Faculty Forum
Dinner." Faculty Club.

20 and 21 March. 7:30 p.m.
A symposium on cults with
C. Clay and K. Larson. 158A
SUB. Telephone 432-4513 or
432-4621.

Technocracy Institute

18 March. 8 p.m. W. Fryers
will discuss "Technology smashes
the price system." HUB Rocking
Chair Lounge.

Department of Theoretical Physics

19 March. 2 p.m. B. Edwards
of the Argonne National
Laboratory in Illinois will be
guest speaker. P640 Physics
Building.

26 March. 3:30 p.m. G. Kane
of the University of Michigan
will discuss "Can We Do Higg's

Physics Experimentally Before LEP." P640 Physics Building.

27 March. 3:30 p.m. P. Sommers of North Carolina State University will speak on "Gauge Field Theories at the Classical Level and Solutions of the Source-free Field Equations." P631 Physics Building.

Public Lecture

19 March. 7:30 p.m. E. Kuznetsov, one of the five Soviet dissidents traded for two Soviet spies, will be speaker. 142 SUB.

Department of Entomology

20 March. 4:30 p.m. W. Barr will discuss "Silk production of black fly (Diptera: Simuliidae) Larvae." 602 Athabasca Hall Annex.

Department of Classics

20 March. 4 p.m. J. Wilson will talk about "Traditional Values in Thucydides Part I: The Land." 1-8 Humanities Centre.

Guild for Mediaeval and Renaissance Studies

20 March. 8:15 p.m. The Madrigal Singers under the direction of L. Cook and dancers under J. Ogg. Admission \$3, tickets available at the English department and at the door. 14-14 H.M. Tory Building.

Department of English

20 March. 4 p.m. B. Belyea of the University of Calgary will discuss "Criteria for the Edition of Literary Texts." L-3 Humanities Centre.

27 March. 4 p.m. D. Daiches will speak on "The Teaching of English at Universities: Aims and Methods." AV L-3 Humanities Centre.

Department of Geography

21 March. 2 p.m. L. Leopold of the University of California will discuss "Bedload Measurement and Procedures." 3-36 H.M. Tory Building.

Populations Studies Seminar

26 March. 3 p.m. C. Kinzel will speak on "Collection of Data." 14-6 H.M. Tory Building.

service information

Notices

Social Science Dining Club

The next meeting of the Social Science Dining Club will be held in the Papaschase room of the Faculty Club at 6 p.m. on Thursday, 27 March. Wallace Clement of McMaster University will speak on "Class Transformations in Canadian Mining." The talk is based on his new book, *Hardrock Mining: Industrial Relations and Technological Change at Inco*. The talk begins at 7 p.m. and the no host dinner at 6 p.m. Those interested in attending the dinner, or the talk, are requested to leave their names with Hugh King of the Department of Sociology. (432-5234)

Travel-Study Course

The Division of East European Studies is now accepting applications for Interdisciplinary Studies 446. This six week course (5 May - 13 June) is designed to give students an opportunity for study on location of the history, social, economic, and cultural developments in Poland and Yugoslavia. Instruction in the course will be supplemented with lectures by scholars from Poland and Yugoslavia. For information contact the Division of East European Studies or telephone 432-3230.

Award For Excellent Teaching

Beginning this year the Faculty of Science will formally recognize its outstanding teachers by conferring the "Faculty of Science Award for Excellent Teaching." Only one award will be given each year and previous recipients will be excluded from further competition. Each Department, through its Chairman, may nominate one person each year. Moreover, any group of ten undergraduate students in the Faculty of Science may submit nominations for the award to the Chairman of the Award Selection Committee (Office, Dean of Science), which consists of four academic staff and four undergraduate students.

Nominations are hereby invited for this new award and should be submitted no later than 18 March 1980. Nominees should have held a professional appointment in the Faculty for at least ten years and should have a reputation among their colleagues and students for excellent teaching.

Review of Agriculture and Forestry Dean

Information about the administration of the Faculty is being solicited, as part of the normal process of performance review after five years in office. For further information, call the Office of the Vice-President (Academic): 432-3443.

Selection Committee for the Chairman of the Department of Obstetrics and Gynaecology

The GFC Nominating Committee is seeking nominations for one member of the academic staff to fill the vacancy on the above Selection Committee. Regulations governing the composition of selection committees require that one member, not a member of the department concerned be elected by General Faculties Council.

Would those who have suggestions for nominations or who are interested in serving on the above committee, please contact the Secretary of the Nominating Committee at 2-1 University Hall, telephone 432-4715. It would be appreciated if a brief vita could accompany any nomination.

Non-Credit Courses

Faculty of Extension

Kokanee Springs Golf School

Date: 26 to 30 May. Fee: \$95.
Telephone: 432-3033 or 432-2015.

The Development of Personal Potential

Date: 15 and 16 March. Fee: \$65.
Class limit: 20. Telephone: 432-5069.

Following Through

Date: 31 March. Fee: \$35.
Class limit: 25. Telephone: 432-5069.

Special Topics in

Stress Management

Date: 30 March. Fee: \$40. Class limit: 20. Telephone: 432-5069.

Working with Divorcing Families

Date: 1 and 2 April. Fee: \$50.
Class limit: 40. Telephone: 432-5069.

Consumer's Guide to Biofeedback

Date: 28 March. Fee: \$7.50. Class limit: 40. Telephone: 432-5069.

Positions Vacant

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 7 March 1980.

Executive Assistant to the Vice-President (Academic)

The Vice-President (Academic) invites applications for the position of Executive Assistant to the Vice-

President (Academic). The general responsibilities of the appointee would be (a) to act as a facilitator to the Vice-President in day-to-day planning, problem-solving, and decision-making and (b) to initiate, develop and maintain effective liaison with and provide active support to the President's Advisory Committee on Academic Reviews and its unit review committees. In the latter connection the appointee would work closely with the Chairman of the Advisory Committee. A more complete job description is available to interested applicants.

Administrative or academic experience in a University setting is required, as are good communication skills.

This is an APO position with a salary range (1979-80) beginning at \$20,428 per annum. Actual starting salary within the range will be commensurate with qualifications and experience. The position has been evaluated at 551 Hay points. The appointment will be made to take effect not later than 1 July 1980.

Interested applicants should submit a letter of application, résumé and the names of three referees to: Dr. R.G. Baldwin, Vice-President (Academic), 3-5 University Hall, The University of Alberta, Edmonton.

Computing Centre Manager

The Department of Chemical Engineering invites applications for the position of Manager of their Data Acquisition, Control and Simulation (DACS) Centre. This is a regular university appointment at the level of Professional Officer. Responsibilities include:

Responsibility for day-to-day operation of a real-time, sensor-based, network of three HP 1000 (21MXE) computers (running RTE IV B and DS/1000) plus four DEC 11/03 systems.

General supervision of three professional programmer-analysts.

Liaison with departmental students and staff plus technical input and support for teaching and research programs.

Coordination of departmental users of the University's Amdahl 470/V7.

An engineering degree and three to five years experience in the above areas is desirable but all applications will be considered. Submit applications to: Dr. F.D. Otto, Chairman, Department of Chemical Engineering, The University of Alberta, Edmonton Alberta T6G 2G6.

The University is an equal opportunity employer.

Non-Academic Positions

Financial Records Clerk (\$764.41-\$912.91)—Office of the Comptroller
Clerk Typist II (\$764.41-\$912.91)—
Rehabilitation Medicine; Housing and Food Services; Physiology; Graduate Studies and Research
Dental Assistant (part-time) (\$475.80-\$569.52)—Dental Clinical Sciences

Dental Assistant I (term) (\$793.02-\$949.20)—Dental Clinical Sciences
 Senior Clerk (part-time) (\$411.26-\$492.20)—Academic Staff Association
 Senior Clerk (\$822.72-\$984.39)—Parking Services
 Data Entry Operator I (\$849.11-\$1,021.79)—Office of Administrative Systems
 Clerk Typist III (part-time) (\$5.00/hour)—Student Affairs
 Clerk Steno III (\$883.20-\$1,065.78)—R.S. McLaughlin Examination and Research Centre (trust); Personnel Services and Staff Relations; Mineral Engineering; Law (two positions)
 Clerk Steno III (part-time) (\$441.60-\$532.89)—Geology
 Admission Records Trainee/Coordinator (\$883.20-\$1,109.78)—Office of the Registrar
 Medical Steno (\$949.20-\$1,158.17)—Psychiatry; Pediatrics (trust)
 Secretary (\$984.39-\$1,205.47)—Medical Laboratory Science; Business Administration and Commerce; Administration; Medicine
 Administrative Clerk (\$984.39-\$1,205.47)—Personnel Services and Staff Relations
 Timetable Clerk \$1,021.78-\$1,257.17)—Office of the Registrar
 Computer Assistant II (\$912.91-\$1,109.78)—Computing Services
 Electron Microscope Technician I (trust, term) (\$984.39-\$1,205.47)—Pharmacology
 Farm Technician I (\$984.39-\$1,205.47)—Animal Science
 Technician I/II (\$984.39-\$1,367.17)—Chemistry
 Food Service Worker IV (\$1,021.79-\$1,257.17)—Housing and Food Services
 Building Services Worker IV (\$1,065.78-\$1,311.06)—Physical Plant
 Electronics Technician I/II (\$1,065.78-\$1,489.25)—Technical Services
 Technologist I (trust, term) (\$1,109.78-\$1,367.16)—Zoology
 Farm Equipment Technician II (\$1,109.78-\$1,367.16)—Animal Science
 Laboratory Technologist I (\$1,109.78-\$1,367.16)—Provincial Laboratory
 Technologist I/II (\$1,109.78-\$1,556.33)—Home Economics
 Biochemistry Technologist I/II (trust, term) (\$1,109.78-\$1,556.13)—Cancer Research Unit
 Animal Technician II (trust) (\$1,158.17-\$1,427.65)—Animal Science
 Programmer/Analyst I (\$1,158.17-\$1,427.65)—Administrative Systems
 Plant Operator I (\$1,205.47-\$1,489.25)—Physical Plant
 Art Technician Demonstrator I (Cutter/Seamstress) (\$1,205.47-\$1,489.25)—Drama
 Electronics Technician II (\$1,205.47-\$1,489.25)—Technical Services
 Electronics Technician II/III (\$1,205.47-\$1,697.12)—Physics
 Applications Analyst (two positions) \$1,257.17-\$1,556.33)—Registrar's Office
 Typographical Tradesman III (\$1,311.06-\$1,623.42)—Printing
 Engineering Technologist III \$1,367.16-\$1,697.12)—Physical Plant

Electronics Technician III (\$1,367.16-\$1,697.12)—Physics
 Art Technician Demonstrator II (Carpenter) (\$1,367.16-\$1,697.12)—Drama
 Programmer/Analyst II/III (\$1,367.16-\$2,021.59)—Administrative Systems (two positions); Physics; Printing Services
 Food Services Supervisor (\$1,427.65-\$1,771.92)—Housing and Food Services
 Technician IV (Farm Equipment) \$1,427.65-\$1,771.92)—Plant Science
 Biochemistry Technologist III (trust) (\$1,427.65-\$1,771.92)—Medicine
 Biology Technologist III/IV (\$1,427.65-\$2,021.59)—Genetics
 Programmer/Analyst III (\$1,623.42-\$2,021.59)—Computing Services (two positions); Administrative Systems
 Controls fitter (Instrument Mechanic) (\$2,109.47-\$2,204.40)—Physical Plant

The following is a list of currently available positions in the University of Alberta Libraries. The bulleting board in the Cameron Library—Room 512 should be consulted for further information as to availability and position requirements.

Library Clerk III (\$822.72-\$984.39)—Cataloguing; Science
 Programmer/Analyst III (\$1,623.42-\$2,021.59)—Systems
 Programmer/Analyst IV (\$1,934.69-\$2,420.85)—Systems

Advertisements

must reach the Editor by 3 p.m. on the Thursday prior to publication, which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.

Accommodations available

For sale—By owner. Older, three bedroom home in Millcreek Ravine (99 St. and 84 Ave.). Original wood, well-insulated, fenced, good condition. Assumable mortgage 11¾%. Asking \$94,000. No agents. 432-5856, 439-2691 (evenings).
 For sale—Heart of gold. Ideal starter home for young couple. Needs lots of care. Underneath the rough exterior lies a heart of gold, (solid foundation, good floors, etc.). Close enough to walk to University. Good terms can be arranged. Call Earl Scoville. 436-5080 res. 436-4488 A.E. LePage Melton.
 For rent—Three bedroom bungalow. Two miles to University (Lendrum). Furnished. Available July or August, 1980 for one year. Ideal for visiting

faculty. 435-5770, 432-5729.
 For sale—Spacious, two bedroom condominium. Immaculate condition, professionally decorated. Southwest area. Direct bus route to University. Invest your renting dollars now. Owner anxious to sell. Inquiries 436-4240, 437-1612. Joy Murray, Block Bros.
 For rent—Attractive, two bedroom bungalow. Near University. Developed basement. Completely furnished. Available 1 March. \$550 monthly. \$300 damage deposit. 436-2376 after 5 p.m.
 For sale—By owner. Garneau. \$140,000. One block to University Hospital. Three bedrooms, separate dining room. Self-contained basement suite presently renting for \$300. Phone 433-3739 after 4 p.m. No agents.
 For sale—Lendrum. By owner. Open beam bungalow, 1,330 sq. ft. Three bedrooms. Large 10½% mortgage. 2½ baths. Huge master bedroom with three piece bath en suite. Developed basement with fireplace, fourth bedroom. Close to schools, bus. Heated double garage. 434-8961.
 For sale—Qualify as a farm with 40 acres. Unbelievable tax write-off. Two storey Gambrel house, landscaped, partly renovated, fully insulated. Artesian well, best water in the county. 35 minutes from the city. Must sell. Only \$125,000. Qualified purchasers only. Phone 1-662-2298 after 6 p.m.
 For rent—Furnished home, large treed lot, two garages, ten minutes from University. Both levels completely developed; four bedrooms, two bathrooms, kitchen, dining room, living room, family room, study, and storage room. Available end June. Deposit and minimum one year lease required. 435-0128.
 For sale—Two storey, four bedroom house in Holyrood area, fully carpeted including panelled basement. Large fenced lot with many fruit trees. Attached garage. Asking \$99,000. 468-1163 (evenings) or 432-4772.
 For sale—Spacious, well designed, two bedroom condominiums, conveniently located in Riverbend. Underground parking. Excellent swimming pool facilities. Your choice of east or west exposure. \$88,000 or \$87,900. Denise Rout 432-7398 res. 436-5250. Spencer Real Estate.
 For rent—Three bedroom townhouse condominium. Fridge, stove, all draperies. Fully developed basement with study. Good access to University via Whitemud Freeway, also direct bus to University. Available 1 April 1980. 487-7365.
 For sale—Blue Quill. Lovely, three bedroom bungalow with sunken main floor family room, fireplace, three piece bath off master. Quiet crescent location. Immaculate! Delightful! Call Faye Lund 436-4240. 487-2422 Block Bros. Realty.
 For sale—Westbrook Drive, custom designed, four bedroom home. Large

100 by 180 foot lot is superbly landscaped with a 20 by 40 foot swimming pool. Features include three car garage, fireplace, underground sprinklers. Inquiries Faye Lund 436-4240. 487-2422 Block Bros. Realty.
 For sale—Grandview. Immaculate, three bedroom bungalow. Double garage. Close to University. Completely up-graded. \$139,900. Mortgage \$64,000 at 11%. Rita Butt 435-7629. Potter Realty 436-3050.
 For sale—Malmö—Four bedroom, 1,600 sq. ft. back split on large, professionally landscaped pie-shaped lot. Completely redecorated with 4th level developed into games room. Fireplace, many extras. Double garage. Asking \$118,500. 435-5601.
 For rent—Three bedroom house, furnished. Close to downtown, river valley, University (Riverdale). 1 July to 1 September. 424-3538.
 For sale—Lakefront lot at Golden Sands Beach. (Lac La Biche) 400x80' frontage, southern exposure, sandy beach. 462-3287.
 For rent—Furnished one bedroom suite, 5 minute walk to University. Parking stall in garage. Available 1 April. Mrs. Conrad 435-1946, 432-8807.
 For sale—Belgravia. Immaculate, four bedroom house of old-fashioned quality. Sunny kitchen, big trees on nicely landscaped lot. Relax by a crackling fire in the comfortable rumpus room, hide away in the den, awake to the song of birds in the spring! Invite your neighbors to the secluded back yard! Flexible financing. Call Bernie Bock 437-1215. Century 21 Birch Realty Ltd.
 For rent—Furnished two bedroom house, walking distance to University, available 15 May - 30 June. 433-0789.
 For sale—By owner. South Windsor Park bungalow on quiet crescent. 8347 120 Street. No agents. Phone 439-1966.
 For rent—Furnished, three bedroom house. University area. Available 1 August 1980 - August 1981. \$525. 434-7965.
 For rent—1 April or sooner. Responsible female has large two bedroom apartment (near University) to share with same age (25-35). 439-0607 evenings, 432-2362 days.
 For sale—Malmö. Always in demand. Three bedroom split level, over 1,900 sq. ft., separate dining room, large eat-in kitchen. A real buy at \$113,500 with over \$64,000 in assumable financing. Call Kay Patterson 435-8003 res. 436-5250 bus. Spencer Real Estate Ltd.
 For sale—Petrolia. This three bedroom open beam bungalow has so much to offer. Beautiful brick fireplace, built-in china cabinet, large sunny kitchen, mature landscaping, all within minutes of schools, churches, shopping. For more information call Kay Patterson 435-8003 res. Pat Hurlburt 463-1159 res. Spencer Real Estate Ltd. 436-5250.

Accommodations wanted

Wanted to rent by senior engineering executive and wife, fully furnished two or three bedroom home. University or central area preferred. Required for period of one year or two, commencing anytime between 1 May and 1 August 1980. Phone Mr. or Mrs. Bonner at 452-7794. New science faculty member desires three bedroom home, from 1 May. Rent or lease/purchase option. Furnished/unfurnished with appliances preferred. Dr. Stanley Pons, 2845 Olden Oak, #301, Auburn Heights, Michigan, 48057. Phone after 5 p.m. MST (313) 373-7819.

Automobiles and others

Wanted older Datsun 510 or other Japanese car, working or not. 477-2908. For sale—1966 Jaguar Mark II. Excellent. 477-7453. 1978 Ford E150 Chateau Cargo Van. Professionally finished with rear dinette sleeper. One way glass, Air, AM/FM cassette stereo, etc. Top shape. Only 22,800 miles. 435-6686. 1979 Model Pinto V-6 Squire Wagon. Best car I've ever owned, but going overseas. \$2,250. 487-9137.

Goods for sale

Three months old leather-bound Encyclopaedia Britannica. New \$999, asking \$800. Phone 466-1244 after 6 p.m. Wanted old color portable TVs. Call 477-2908. Seven piece oak bedroom suite by Broyhill. Professional foldaway ping-pong table. All items new condition. 435-6686. Camera: Minolta Autocord Professional 2 1/4" medium format, built-in meter. Absolutely mint condition. \$250. 432-5093. For sale—Electrohome spinet organ. Leslie, reverb, \$995. Don 467-6445, 432-4901. German Shepherd, female, spayed, obedience trained, good with children, very playful. 432-3933, 469-2590. For sale—Italian Provincial chesterfield and chair, blue-green brocade. Excellent condition. \$500. 487-6206. Oriental Carpets—Several quality older pieces including two prayer rugs and one large kilim. 488-4255.

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Peking and Shanghai food. Cooked by chef of old "Shanghai House." Shanghai Garden Restaurant, 10120 118 Avenue. Roasted Peking duck (order in advance), hot firepot, dumplings, fried Chinese hamburger, beef buns, cayenne and meat noodles, sour and hot meat broth soup. Closed Tuesdays. 11:30 a.m.-11:30 p.m. 474-2516.

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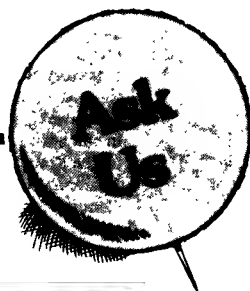
Wanted—a ride from Sherwood Park to University. Monday-Friday for an 8 a.m. work start. Contact J. Rogers. 432-3478.

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Soccer coaches needed! Soccer coaches are needed for the Windsor-Garneau soccer program this spring (mid April to June). The teams include ages from five year olds to 15 year olds, boys and girls. Assistant coaches are needed also. Clinics are available to learn the basics if you are inexperienced. Please contact C. Elliot at 439-3853 (evenings) if you are interested.



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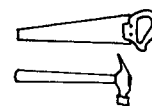


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Theory Adds to Understanding of Immunology

A University of Alberta scientist has developed a theory which provides new insight into the body's biochemical defence mechanisms.

And that insight has allowed him to bring about different immune responses "to order" in the test tube. Someday that might find application at the clinical level in the treatment of a host of diseases which involve the immune system.

A true understanding of the work being done by Peter Bretscher, a member of the Medical Research Council Group on Immunoregulation at the University, requires more than a nodding acquaintanceship with the conceptual advances made in the field of immunology in the past twenty or so years, but the basic framework is simple enough. When properly functioning, the immune system patrols the body on the lookout for anything foreign; when an invasion of foreign cells is discovered, a response is mounted and a battle ensues until the foreign invaders are destroyed or the body succumbs. There are two distinct types of immune response which can be mounted: cell-mediated immunity which involves whole cells, or humoral immunity, which involves antibodies which circulate in the blood and lymph. And these divisions, as well, comprise separate classes of response. Dr. Bretscher's theory explains the factors and mechanisms which result in a particular response—something previously unclear.

His work relates the type of immune response which takes place to the production of either repressor cells, which inhibit a humoral response and thereby favor a cell-mediated response, or suppressor cells, which inhibit a cell-mediated response and thereby favor a humoral response. And which type of cells, repressor or suppressor, is produced is related to two factors: one, the concentration of antigen, the

foreign entities; and two, the number of helper cells, important in that they allow the defence cells of the body to link with the antigen and then multiply.

Further, the response, humoral or cell-mediated, could be of various classes, depending on the relative conditions. In his experimental work, Dr. Bretscher is focussing upon two classes of humoral response, those known as IgG and IgM, and the cell-mediated class known as DTH.

This theory which Dr. Bretscher has developed is consistent with a large body of observational material which was not previously linked within the framework of a single theory. For Dr. Bretscher this is its chief importance: its contribution to a basic understanding of the workings of the immune system.

The science of immunology long ago developed beyond immunization against disease and attempts to prevent rejection of transplanted material to what is today, at its forefront, a basic research effort to find the mechanisms underlying the behavior of the immune system. Nevertheless, the shadow of the hospital is never far removed and it is interesting to speculate upon the possible clinical application of Dr. Bretscher's work.

Different classes of immune response are effective in dealing with different types of "invasion." However, for various reasons, the body does not always mount the most effective response; for instance, some tumors, while more vulnerable to cell-mediated immunity, may provoke humoral immunity. And, at times, an ineffective immune response might actually be more beneficial—possibly in the case of organ transplants or when the immune system mistakenly recognizes self as foreign. If what Dr. Bretscher has done in the test tube could be developed to the point at which it could be duplicated in a patient, it could be of enormous benefit to medicine. □

Prism Canada

With all the concern about reading and writing in the schools, it should be said that arithmetic (all right, mathematics) is doing just fine, thank you. This is not to say that its teachers have cornered the market on complacency though. Far from it. In fact, a five-member team in the Faculty of Education is in the midst of a project which could result in change(s) in the school mathematics curriculum. The project is PRISM CANADA with the first word standing for Priorities in School Mathematics. Its purpose is to ascertain preferences and priorities regarding the school mathematics curriculum for the 1980s. Initiated in September 1977 in Canada and the United States, PRISM consists of the formulation and distribution of a preference survey form and a priorities survey form, the return of same, the compilation and analysis of the surveys, and the preparation and presentation of the information in report form.

$$a = \frac{\sum_{k=1}^n x_k m_k}{\sum_{k=1}^n x_k}.$$

The instruments used in the surveys were developed jointly by the United States and Canadian project teams. Some of the instruments were translated into French for about one-fourth of the Canadian sample, drawn mostly from Quebec and New Brunswick. The preference surveys were mailed to participants in March and April of 1979 and the priorities surveys went out during May, June and July of last year. The surveys reached elementary teachers, secondary teachers, elementary and secondary principals, teacher educators, mathematicians, school board members, parents and business people. The response was very good in Canada, less so in the United States. For example, the return rate for the

first survey was about sixty percent in Canada and about twenty percent in the United States. (The average return rate for surveys is about thirty-five percent.)

The surveys consider mathematics from the kindergarten level to grade 12 and hinge on such factors as problem solving techniques, whole numbers, algebra, geometry, measurement, fractions and decimals.

It is the first such project of this magnitude and has drawn funding from the National Science Foundation, the Humanities and Social Sciences Research Fund, and the Alberta Advisory Committee for Educational Studies.

The Faculty of Education team—George Cathcart, Sharon Forth, Tom Kieren, Joan Worth, and Dean Walter Worth—are sifting a mound of computer printouts prior to writing a report which will be presented at the Conference of the National Council of Teachers of Mathematics in Seattle in April. The conference will be attended by about 6,000 people.

The PRISM CANADA report will ultimately go to provincial authorities, school systems and faculties of education in the ten Canadian provinces.

While the team is chary to offer an opinion on just what might emerge from the project, it thinks that more emphasis may be placed on problem solving in the '80s. The members are looking forward to determining the range of contrast between the priorities of lay and professional people as well as the differences between the Canadian and American train of thought.

The report, says Dean Worth, will likely have an immediate impact on mathematical practice but will take longer to become policy because it will have to be worked through a number of mechanisms first.

The team hopes that the final report will supply a base not only for curriculum development but for needed research in mathematics education. □

University Collection to Tour Canada

The Ring House Gallery at The University of Alberta has received a generous grant from National Museums of Canada to support the exhibition of "Inuit Games and Contests: The Clifford E. Lee Collection of Prints" all across the country.

The collection of prints, which depict Inuit games and recreation, was acquired by the University in 1978 as a result of the generosity of the Clifford E. Lee Foundation and with the cooperation of the XI Commonwealth Games Foundation. During the period of the Commonwealth Games, the collection was displayed at the Eaton's department store in downtown Edmonton, where it was viewed by many local citizens and visitors to our city. In the following summer, 1979, the Ring House Gallery again exhibited the prints and, again, the collection received enthusiastic plaudits.

The grant from the Museum Assistance Programmes of the National Museums of Canada will enable the public to see examples of Inuit print-making at its finest. From three exhibition sites in British Columbia, the collection will travel to Swift Current in Saskatchewan before going on display at the Confederation Centre of the Arts in Charlottetown, Prince Edward Island. From Charlottetown, the collection of prints will return west, but not before its display at Campbellton, New Brunswick, in the Restigouche Gallery, and at the Thunder Bay National Exhibition Centre in northern Ontario. Appropriately, Inuit Games and Contests will visit Fort Smith in the Northwest Territories to be displayed in the Northern Life Museum. Immediately before its return to The University of Alberta later this year, the Clifford E. Lee Collection of Prints will be exhibited at the National Exhibition Centre in Estevan, Saskatchewan.

Accompanying the exhibition on its travels is a full color catalogue, also made possible by

the Clifford E. Lee Foundation. The catalogue contains a valuable introduction by the leading authority on Inuit art, George Swinton.

Inuit Games and Contests comprises at the moment some sixty-one prints collected from six Inuit cooperatives. The University has decided to build upon this excellent beginning and to

add prints to the collection, when appropriate, either from new works when the subject matter and artistic quality fit into the present collection, and, when possible, to fill gaps as older, rarer prints become available.

The exhibition has been a major undertaking of the University Collections Centre and, as Curator Helen Collinson says,

the University "is proud to be able to share our enjoyment of this very special collection with people in other parts of the country." The very generous support accorded by the National Museums of Canada, the Clifford E. Lee Foundation, and The University of Alberta has made this project both possible and successful. □



The Clifford E. Lee Collection. (Above). This stonecut by Tivi Etook, George River, Arctic Quebec, is titled "The Dance of the Great Harp Seals." (Below) "String Game/Ayaraq"—a 1975 stonecut by Agnes Nanagak of Holman Island, NWT.

Exhibitions at the Provincial Museum

The Provincial Museum of Alberta receives several exhibitions a year which are circulated by the National Museum of Man. "Last Best West," represented by this photograph, runs until 31 March. The photograph

is of a Swedish storekeeper in Falun, Alberta. (Courtesy of the Glenbow-Alberta Institute)



Come, Explore Another World

"High school is a world apart from elementary school. University is a world apart from high school. It is a world involved with the exploration and development of all areas of knowledge and understanding and it is open to you."

Student Orientation Day—a new program to acquaint high school students with the potentialities inherent in a University education—was held on 28 February and attracted over three thousand high school students from the metropolitan areas of Edmonton and beyond.

During the day, students were shown what our University looks like, how it works, and what it has to offer. First, high school students attended a general orientation session at the Northern Alberta Jubilee Auditorium to gain a better picture of the University as a whole. After this, they were invited to attend and participate in a number of more specific, forty-five minute sessions, where they learned more about individual faculties and departments. These sessions gave details of such matters as program offerings, enrolment regulations, tuition fees and such like.

In addition to these informative sessions, a number of displays were set up and presentations made covering the whole gamut of students' typical concerns: housing, financing, clubs, sports and other activities.

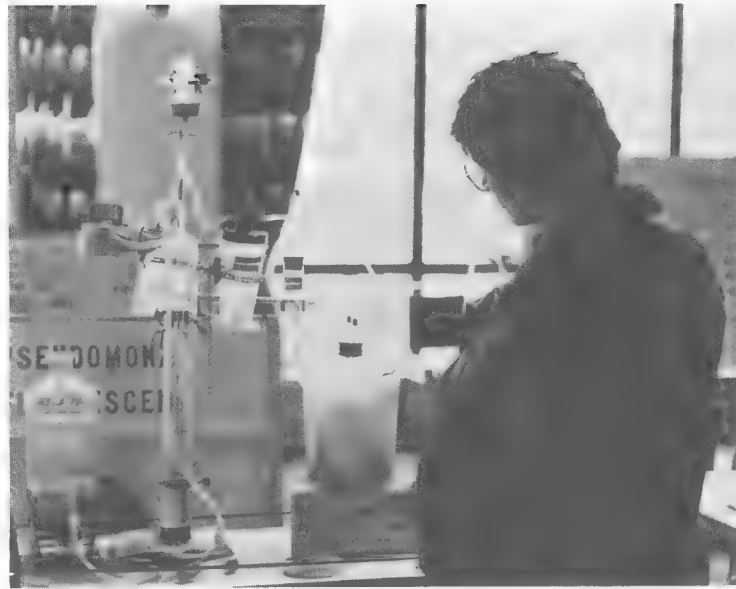
In sum, over three thousand young Albertans came to a part of Edmonton on 28 February to which they perhaps do not normally come. The Assistant Registrar Doug Burns, his associate Lorne Gunter, the entire APEL crew*—and some fifteen faculties—are to be congratulated for the efforts they have made to make more people

aware of the great possibilities that lie in store for those who wish to gain a University education.

**The Admissions Policy, Evaluation and Liaison Division of the University is located in 128 Administration Building. The staff are more than ready to assist any prospective student gain a deeper understanding about the nature of a University education and its rewards. For further information about APEL and its offerings, please telephone 432-4537. □*



High school students at the University Orientation Day on 28 February.



coming events

The events listing in *Folio* normally refers to off and on campus events for the ten-day period subsequent to publication. For the issue of *Folio* being distributed to Alumni, however, we have extended the listing in the hope that those people who live in the Edmonton and vicinity (over one-third of all graduates of the University) will find the listings useful. Anyone, whether from Edmonton and vicinity or visiting, is welcome to take advantage of the many events which take place on campus.

Films

Department of Germanic Languages

Showing at 7:30 p.m. in 17 Fine Arts.

26 March. "Nachtdienst."

9 April. "Einer von uns beiden."

16 April. "Der aufrechte Gang"

Edmonton Film Society

17 March. 8 p.m. "Shall We Dance." Tory Lecture Theatre. Admission \$3.

24 March. 8 p.m. "Cria Curvos." SUB Theatre. Admission \$3.

Exhibitions

University Special Collections

Continuing. "The Illustrated D.H. Lawrence." B37 Cameron Library.

Ring House Gallery

To 31 March. "Primo Pensiero: First Thoughts."

24 March. "Reflections of India."

4 May. "Lima in Sweden."

Alberta Culture

Continuing. "Old Fourlegs—What a Fish Story!"

Continuing. "Présence franco-albertaine."

Theatre

Studio Theatre

18 March. "The Murder of Auguste Dupin."

5 May. "Electra."

2 June. "The Shipbuilder."

All performances in Corbett Hall, Studio Theatre Stage '80.

The Citadel Theatre

The Shctor Theatre

Until 16 March. "One Tiger To A Hill."

26 March. "Arms and The Man."

The Rice Theatre

19 March. "Macbeth."

Workshop West

3 May. "A Yard of Pucks."

Théâtre Français d'Edmonton

9 April. "La Pomme."

Performances in the Citadel's Rice Theatre.

16 May. "Les Belles-Soeurs."

Performances in Walterdale Theatre.

Walterdale Theatre

15 April. "Home."

Music

Edmonton Chamber Music Society

7 May. 8 p.m. "The Amadeus Quartet." SUB Theatre. Admission by series ticket.

Explorations VIII

17 March. 8 p.m. Final in series, "Winds in Ensemble." Convocation Hall.

Lectures and Seminars

SUB Art Gallery

28 March. 12 noon. V. Vates will do a multi-media reading presentation. SUB Art Gallery.

Department of Botany

All lectures at 4 p.m. in M-149 Biological Sciences Centre.

19 March. J. Shaw will speak about "The Historical Development of Bryological Taxonomy: A Case Study."

26 March. E. Bombin will talk about "Paleoenvironmental Studies of Mary Gregg Lake, Alberta."

2 April. J. Coffin will discuss "Some Aspects of Mitochondrial Formation in Plants."

9 April. S. Charlton will talk on "Oil and/or Algae."

Department of Art and Design

21 March. 2:30 p.m. J. Egler on "Industrial Design." 2-20 Fine Arts Building.

Department of Sociology

18 March. 12 noon. J. Hackler will discuss "Juvenile Courts in Vienna, Paris, England and Canada." Music Room, Centennial Library.



"Pair of Horses with Postillion and Dog" by Henri de Toulouse-Lautrec. One of the drawing in the exhibition "Primo Pensiero: First Thoughts" on display until 31 March at the Ring House Gallery (from the collection of the National Museum of Canada).

Division of East European Studies

Lectures at 3:30 p.m. in 311 Athabasca Hall.

18 March. T. Yedlin will talk about "Marxism, Leninism and the Woman Question."

25 March. Y. Radziejowski will discuss "Organization and Sociological Problems in Soviet Higher Education."

Department of Sociology
Population Research Laboratory
Lectures at 3 p.m. in 14-6 H.M. Tory Building.

26 March. C. Kinzel will speak on "Collection of Data."

9 April. J. Gartrell will talk about "Strategies for the Analysis of Data."

Department of Sociology
Lectures at 12 noon in 5-15 H.M. Tory Building.
19 March. R. Rink will speak on

"A simulation Model of Boom-towns with Special Reference to Alberta."

26 March. G. Lowe will talk about "Some Aspects of Bank Unionization in Canada."

2 April. R. Pong will discuss "Changes in Population Policies in the Peoples' Republic of China."

9 April. D. Stokes will be guest speaker.

16 April. H. Krahn will be guest speaker.

Department of English
20 March. 12:30 p.m. J. Hodgins will read *Spit Delaney's Island*, *The Invention of the World*, and *The Resurrection of Joseph Bourne*. AV L-3 Humanities Centre.

Central and East European Studies Association of Canada
13 to 15 March. The 1980 conference theme "The Central

and East European Community in Canada: Roots, Aspiration, Progress and Realities." Lister Hall.

Department of English
8 April. 4 p.m. R. Merrett will talk about "Religious Allusion as Theme in *Jane Eyre*." 5-20 Humanities Centre.

Alberta Society of Professional Biologists
22 and 23 April. A symposium entitled "Environmental Management Strategies—Past, Present, and Future." Edmonton Plaza Hotel.

Canadian Institute of Ukrainian Studies

Lectures in 352C, Athabasca Hall.

18 March. A. Chernenko-Rudnytsky will talk about "Impressionism, Expressionism and Ukrainian Literature."

8 April. J. Radziejowski will discuss "Collectivization in Ukraine in Light of Soviet Historiography."

Medical Laboratory Science Alumni

27 to 29 June. Reunion of Medical Laboratory Science Alumni.

1979 Alma Mater Fund Campaign

Last October all members of the University's alumni family received a solicitation brochure from the Alma Mater Fund emphasizing the fact that a University is "the product of many pieces." The "extra" pieces that are provided by alumni contributions to the Alma Mater Fund enhance the University experience and help make The University of Alberta a school of which to be proud.

To date over 3,000 alumni have responded to the request for support with average gifts of \$26 for a total of \$83,000 plus. Already a number of worthwhile projects have received support from 1979 Alma Mater Fund Campaign proceeds. A few examples of them are:

- With a \$13,000 grant the Centre for the Study of Mental Retardation will be able to set up an introductory course on learning disabilities for parents and the general public, as well as a one-year experimental program for assessment and remediation of learning disabilities.
- The University of Alberta Art Gallery—"Ring House Gallery"—will be able to purchase more works of art

for their permanent collection thanks to a \$10,000 grant from the 1979 Alma Mater Campaign.

- Several of the University's student clubs such as: The Scottish Country Dance Club, The Literary Society, the Debating Society and the Chinese Students' Association will be able to continue and expand on their programs this year as a direct result of Alma Mater Fund support.

There are still many, many more worthwhile projects on campus that have made application to, and anticipate support from, the Alma Mater Fund in order to carry on successfully their annual programs. However, there are still a few "pieces" missing if the Alma Mater Fund is to provide some support to them. If you have not already made a contribution to the 1979 Campaign, and would still like to, it is not too late. The Alma Mater Fund and the greater University community would be very happy to receive your contributions. To all alumni who have given their support to the Campaign we extend a sincere thank you. □

Letters

■ Graduation 1950

One simple fact is obvious. The class which graduated from The University of Alberta in 1950 on many counts stands alone in the history of Alberta. Those who attended this University—both men and women—during the years which led to that graduation had shared many unprecedented experiences. Some of them had known the Depression; all, in one way or another, had known something of the war. As a group they had shared a succession of intimate and personal associations which can never be repeated.

Note first that up to 1950 *The University of Alberta* was situated in Edmonton. Now look about you. There is a university, similar in size and importance to that in Edmonton, situated in Calgary. How about Lethbridge, Red Deer, Athabasca, and Grande Prairie? Additionally there are colleges at Olds, Vermilion, and Fairview. Camrose, Lacombe, and other centres continue to make a significant contribution to the world of music and scholarship. The huge class which graduated from The University of Alberta in 1950 stands alone in the annals of this province.

Consider next in both age and experience the tremendously varied backgrounds of the members of that student body. The age range was astonishing—from high school graduates in their late teens or early twenties, to adults well along in the forties. Some had come to university from high school as freshmen in the fall term of 1944 or 1945. That in itself was an important factor, but, more significantly, a large portion of that student body consisted of military veterans. Some had marched with the Eighth army across North Africa to El Alamein; some had served in corvettes or had been part of the personnel of the naval convoys which had made possible the landing of men and materials in Sicily, in Italy, in France a short year or two earlier; some had served in the air force in fighters or in bombers. They had known Spitfires and Hurricanes, Sunderlands, Lancasters, Halifaxes, Wellingtons (the admired Wimpies) and the rest. In their number walked men and women whose rank varied from private or corporal to commissioned officer. Those who lived in residence during the years which led to the graduation of that gallant class of 1950, as students may have sat at table with men who had shared most war fronts; guns, tanks and transport of the widest description; and rank of wide range indeed. The graduates of that year shared a privilege scarcely appreciated at the time, and one that is not likely ever to be repeated.

In 1950, we were looking forward across thirty years to the class which would be graduating in 1980. Today we are looking back on those same thirty years and the events that have unfolded with them. The two pictures differ greatly in many important respects.

Broadly speaking, 1945 was a turning point in student personnel. Prior to that time "attending university" was a goal dear to the heart of many young Albertans. After 1945 that part of the vision remained, but it has expanded significantly and has grown continuously to the present. As the war was drawing to a close refugees came to this campus. Among them was a Russian prince, a brilliant young scholar from Czechoslovakia, students from Britain, from France, and elsewhere. After the graduation of 1950, the student body continued to grow in numbers and to derive from ever broadening sources. From India and China they came, from Japan and different countries of Africa, from the Middle East and elsewhere. To visit with any part of the University student body today is to share something of world geography and world politics.

Since the war, scholastic and residential life has of necessity adapted to a huge program of building. Such patterns of student living were undreamed of before the war. It was almost with a sigh that some staff

members and older students saw a defacing of the beauty of the campus of earlier years. They beheld the excavation required for the construction of the first portion of the Rutherford library. At that time, some felt that the new building would supply all library requirements on this campus for the foreseeable future. To its rooms, halls and decks came the books from most of the former University libraries—the arts library, the agricultural library, the science library and so on. How convenient it would be from this time forth to be able to obtain a required book by visiting just one library! The year 1980 is with us now and the library problem on campus is one that each student has to solve in his or her own way.

As time passed building on campus continued, nay the tempo of building grew by leaps and bounds, new buildings were erected, and landmarks long familiar, disappeared. Here mention only the fact that once there was a Tuck Shop on campus where now there is a HUB complex. For more than half a century the Tuck Shop had been the place to get pie or lunch with tea or coffee. Here many bull sessions were developed with all knowledge available. Here dates were arranged, and much that is important in life unfolded.

In due time the Northern Alberta Jubilee Auditorium became part of student life and distinguished artists, musicians, teachers came to Edmonton where they found accommodation worthy of their visit. Lister Hall and other student residences stood out on the campus; new buildings were erected for Education and Fine Arts, for Science, Engineering and Agriculture.

As does every year, 1950 had its graduating class. To the Drill Hall—an echo of wartime—came one, came all. The Faculty of Agriculture had arranged its most overwhelming party, the big Bar None.

Soon many things were to pass away including the drill hall and the nissen huts which had served so well as urgently needed lecture rooms, laboratories and drama rooms. The pace of events may mean that much will inevitably be lost and forgotten.

A project must be undertaken now before it is too late. Should it be tackled as one great unity encompassing the entire student body? Rather should each Faculty tell its own story? We must have an adequate and comprehensive story of student and campus life as it was prior to 1940. Probably of greater significance is the fact that we require a story of events leading up to the graduation of 1950. We must have an all inclusive picture of the University drama which has unfolded in our own time up to and including 1980.

G.W. Robertson

(G.W. Robertson first attended this University in the 1929-30 academic year. He returned in 1946-47 to graduate in 1950 with a BSc [Ag]. Mr. Robertson has since attended several University courses. Regimentally, he was known as Robertson, G.W. R 140305.)

■ The November issue of *Folio/New Trail* contained a Profile of the Faculty of Home Economics. There were some errors in the text of the article that I would like to point out to the readers: The Faculty is plagued for space and has had to make a number of renovations to the building it now occupies but those renovations, contrary to the report, have been to convert General University Space classrooms to laboratories.

A second personal issue which I would like to clarify and that is that while I am the only female Dean in Faculties of Home Economics in western Canada, Home Economics programs elsewhere in Canada all have female heads.

*Doris R. Badir, Dean,
Faculty of Home Economics.*

The University of Alberta Foundation

Incorporated by an act of the Legislative Assembly of the Province of Alberta, The University of Alberta Foundation was established for the express purpose of supporting the traditional aims, ideals, and practices of The University of Alberta. By soliciting and receiving all manner of donations by gift, devise, transfer or otherwise, the Foundation attempts to promote the well-being of the University and the provision of an education that is of the highest academic quality for our students.

Throughout the years since its establishment, The University of Alberta Foundation has actively supported a wide variety of academic enterprises and ventures. This support, absolutely vital to the University, has only been

made possible by the kindness and forethought of many individuals. These are donors from all walks of life who, whatever the nature of their contributions to the University through the Foundation, have sought to give real evidence of pride in *their* University; whether or not they actually attended The University of Alberta or graduated from it. Benefactors, by contributing to

The University of Alberta Foundation and by lending support to the University, have been able to gain some advantage in terms of the taxes they now pay and in the succession duties to which their estates may be subject in the future. Whatever the size of contribution, The University of Alberta is equally grateful.

To discover more about The University of Alberta Foundation,

its goals and objectives, and to receive a copy of its brochure, *For the Advancement of Learning*, please write to, or telephone, the honorary secretary of the Foundation at the following address: Office of Community Relations 423 Athabasca Hall University of Alberta Edmonton, Alberta T6G 2E8 Telephone (403) 432-2325

Apologies

It has been suggested to the Editor that a statement in the last issue of this magazine, in the article "Faculty Profile: Home Economics," is misleading. It was said (page 5) that "evaluations of chickens raised on different feeding compounds indicate that birds raised on soybean meal are generally of higher eating quality than those raised on rapeseed meal." Research conducted by employees in the Faculty of Home Economics, however points to the opposite conclusion, namely that the eating quality of broiler meat is not affected by the inclusion of Tower rapeseed meal in the feeding ration.

In the *Report to the Community, 1978-79*, which was distributed with the last *Folio/New Trail*, a typesetting error indicated that the total enrolment of the Faculty of Physical Education was 603. In fact the enrolment in 1978-79 was 693. □

SOCIETY AND POLITICS IN ALBERTA:

Research Papers
Dr. Carlo Caldarola, General Editor

A pioneer work in its field, this collection of twenty-one original articles studies the interaction of society and politics in Alberta. These papers are based on scholarly research conducted by social scientists in the Province of Alberta over the past ten years, and all but three have been prepared specifically for this volume. Although the book is multi-authored, it forms a coherent whole designed to analyze the main phases of Alberta's political history and some of the most central patterns of its political behaviour.

The book begins with an historical survey of major events and personalities, and goes on to analyze several conspicuous features of Alberta's political culture. It contains two original explorations into the political attitudes of the new middle class and that of labour, together with a study of the main patterns of voting behaviour in both federal and provincial elections.

Most of the articles represent the only existing research on the particular subject. The book provides a wealth of data and of information for all students of Alberta society, including social scientists, historians and members of political parties.

Size: 392 pages
ISBN: 458 93910 2

Publication date: March, 1979
Price: \$12.95 paperback



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(416) 291-8421



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A fascinating, historical visit to Munich, Dachau, Berchtesgaden, Nuremberg, Dresden, Berlin and other places in East and West Germany and Austria which witnessed the rise and fall of Hitler's infamous "Thousand Year Reich". Personally escorted by J. Pauwels, Ph.D., Specialist in Modern German History.

Tour limited to 30 participants. Duration—16 days. Departure—May 16, 1980. \$1,590 including flight from Toronto; \$1,790 including flight from Vancouver.

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For information and reservations, call or write: **Ship's School Educational Tours Ltd.** 4800 Dundas St. W., Suite 202, Islington, Ont., M9A 1B1 Phone (416) 239-1114 or 233-7782

alumni notes

24 *Louis S. Turcotte, LLB*, a member of the first graduating class in law retired recently as a Justice of the Court of Queen's Bench of Alberta after a 54-year career as lawyer and judge.

28 *Mona Gerrie, BSc(HEC)*, writes that she and husband Jack, '27 *DDS*, observed their fiftieth wedding anniversary in the Bahamas in September.

36 *D.C. (David) Appelt, BA*, is well into a year of administrative leave prior to a slightly early retirement in 1980. He and wife Natalie have moved to St. Catharines, Ontario.

Paul Malone, BA, Canadian Ambassador in Helsinki, retired from diplomatic service in December after 37 years in Canada's Foreign Service.



Paul Malone

38 A mainstay of the Olds College Alumni Association, *Everett Birdsall, BSc(Ag)*, was recognized recently for his years of work and support of the Association. He is currently



Women students identified: In the last issue of Folio/New Trail we ran this photograph of women students at the University in 1930-31 and asked if anyone knew where they are now. Marjorie Black, '33 BSc (sixth from the left) answered promptly and expressed her "thanks for the nostalgia." We thank her for her response and for the fact that we now have married names, and addresses, to go with the happy faces. The person who donated the photograph to the University, Mrs. D.M. Campbell, appeared on the front cover of the November 1979 Folio/New Trail. Pictured third from the right in the photograph below, she is perhaps better known to her student colleagues by her maiden name, Margaret Fraser.



The Branches



Toronto: Well over 100 graduates gathered last Fall in the "Alberta Room" of the Royal York Hotel to meet alumni president, Morris Flewwelling, '64 BEd (right), and to hear Chancellor Jean Forest. Branch stalwarts in the Queen City in 1979 were president, Randall Way, '73 BCom, (left), and Mrs. Jessie (Carmichael) Heath, '38 BA, registrar.



Ottawa: The University of Ottawa UniCentre was the venue for a "Chancellor's" reception and dinner in Canada's capital. A gracious sprinkling of old and new graduates moved pleasantly through the proceedings. Our ubiquitous photographer captured Dr. Anna (Wilson) Sharpe, '30 Med, and Senator Donald Cameron, '30 BSc(Ag), flanking Chancellor Jean Forest.



Montreal: Because of the great enthusiasm registered by Donald Duff, '49 BEd, and wife Beth, '47 BA (centre), a successful meeting of graduates was guaranteed at the MAAA in downtown Montreal. Always a perennial attendee and loyal champion of Old Alma was Fred Fisher, '24 BSc(Eng), (left).



Alumni Golden Jubilee Award 1979: It is a pleasant undertaking of the Alumni Association annually to seek and fête someone who has contributed significantly to the welfare of the University, either directly or indirectly. Fall Convocation 1979 was enlivened with the presentation of the Association's most prestigious accolade to Dr. Harry Gunning, former President of the University. Dr. Gunning's contribution to the institution was reviewed in an interesting presentation by Morris Flewwelling, (right), president of the General Alumni Association.

undertaking a history of the town of Olds.

George T. Robertson, B.A. in Modern Languages. He also studied at the University of Lausanne and at Virginia where he gained his PhD. He retired in 1979 from Eastern Washington University, Cheney, USA, as Professor of Spanish and French Emeritus. He also published several books and tapes for use in elementary foreign language education.

46 *Naomi (Wershof) Kassie, BSc*, a singer by profession and a science major teaches music appreciation at the Saidye Bronfman Centre, Montreal.

49 *Don Hyde, BSc(Eng)*, is vice-president of Aramco.

50 *Roy C. Anderson, BSc*, is chairman, Department of Zoology, University of Guelph.

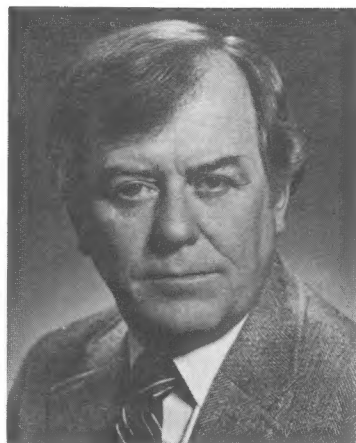
Irene (Bowerman) Payson, BA, in Mesa, Arizona, besides conducting choirs, is advisory chairman for Kappa Alpha Theta, University of Arizona.

51 There is an interesting note from *Lois (Badgley) Laycraft, BSc(Nu)*, who is enjoying a travelling job as an officer of Pi Beta Phi women's fraternity. With spare time "I'm building a log house up here in the woods at Paddockwood, Saskatchewan, and travel around the world as often as possible studying alternate energy sources. The aim here is energy self-sufficiency!"

With 28 years of experience in the petroleum industry, *Gordon H. Bowman, BSc(Eng)*, is currently managing director of Ranger Oil (U.K.) Limited.

52 *Robert Crawford, BSc*, has moved from acting chairman to chairman of the Department of Chemistry. Dr. Crawford is a member of the University Board of Governors and sits on its Building and Community Relations Committees.

54 Field operation responsibilities for the Energy Resources Conservation Board



Robert Crawford



Lydia Kasianchuk

have been assumed by *E.R. Brushett, BSc(Eng)*.

56 Victoria's first multicultural radio show, a 13 week series entitled "Heritage" has ended. Producer *Lydia (Paush) Kasianchuk, BEd*, persuaded CFMS (98.5) to run the series on an experimental basis after phone calls and letters poured in about the Ukrainian Christmas show she did last year.

A fellow of the American Society of Civil Engineers and a professor of civil engineering at the University, *James G. MacGregor, BSc(Eng)*, was recently awarded the ASCE's 1979 CAN-AM Civil Engineering Amity Award and the Raymond C. Reese Research Prize. Dr. MacGregor teaches and does research on reinforced concrete structures at The University of Alberta.



Joyce Perrin



James G. MacGregor

58 *Beryl Rowland, GS*, has just published the revised edition of her *Companion to Chaucer Studies* (Oxford University Press). Last year Dr. Rowland, Professor of English at York University, published *Birds With Human Souls: A Guide to Bird Symbolism*, the companion volume to her *Animals With Human Faces: A Guide to Animal Symbolism* (1973).

Pauline (Staniland) LeBlanc, BA, has been appointed Canadian Administrator for LaLeche League, an international lay health organization which offers information on breast feeding to interested mothers and professionals around the world. She has been with the League for 16 years and received the Queen's Silver Jubilee medal for her work with the League.

Harland E. Johnson, BSc, is engineering design manager, Esso Exploration and Production (U.K.), London, England.

59 Former superintendent of schools and chief commissioner for the City of Edmonton, *Peter Borgen, GS*, is superintendent of the Protestant School Board, St. Albert.

Joyce Perrin, BSc(Nu), has been named administrator, Bloorview Childrens Hospital, Willowdale, Ontario.

60 *H. Maguss, BSc(Eng)*, is with Suncor Inc. as engineering manager, (production division).

61 *Lillian Sharp, BSc(HEc)*, has retired as teaching dietician and internship director, University Hospital.

63 *Allan S. Olson, BSc(Eng)*, is president, Stuart Olson Construction Ltd.

64 A longtime resident, community man and dental surgeon in Grande Prairie, *Gilbert Utas, DDS*, is president of the Canadian Dental Association (CDA). Dr. Utas is a past president of the Alberta Dental Association.

65 *D. Robert McLeod, BEd*, is Chairman of the Board of Governors, Grant MacEwan Community College, Edmonton. Mr. McLeod has spent sixteen years in education, including three separate appointments as school principal with the Edmonton Public School Board.

66 *Emil Chapelski, BCom*, has joined the law firm of Ross, Todd and Gough for practice in Drumheller and area.

Douglas Walker, BA, is on sabbatical leave and researching in linguistics at La Fondation Camargo, Cassis, France. He expects to be there until May and will return to Canada as Chairman of the Linguistics Department, University of Ottawa.

68 *D.M. Kent, GS*, was a member of a University of Regina team conducting

geological studies and investigating the feasibility of producing large quantities of warm water suitable for space heating in the Regina-Moose Jaw area.

75 A member of CUSO, *Lillian Wynnyk, BEd*, returned in December from Papua, New Guinea, where she had been teaching.

76 *A.L. Darling, GS*, is Assistant to the President (Special Projects) with responsi-

bility for institutional research and analysis, McMaster University. He retains his position as Registrar at McMaster.

78 *Diana Anderson, BA*, has been appointed Preparator/Display Person at the Red Deer and District Museum.

79 *Brenda Lee Bohmer, BPE*, is recreation program coordinator, County of Leduc. *Glenda L. Warwick, BEd*, is teaching in Calgary.

Ilsa Harpe, BSc(Ag), is presently employed with Uniroyal.

Under normal circumstances, *Randy Gregg, MD*, would be interning at a hospital to wrap up his first phase of a plan to become an orthopedic surgeon with sports medicine as a special interest. But for Gregg and twenty-four other young Canadians they have all postponed their normal lives to be members, for the time being, of the Canadian Olympic hockey team.

In Memoriam

Neil Douglas MacDonald, '15 BA
William H.T. Mead, '32 BSc(Ag)
Jean Wallbridge, '39 BSc
John A. Turner, '40 BSc
Harold Van Kamp, '49 BSc(Eng)
Donald A. Rix, '49 BSc(Ag)
John J. Ring, '52 BSc(Eng)
K.N. Synghal, '58 GS
Martin T. Grude, '77 BA
William John Hubbs, '78 BSc
G.A. Cameron Steer, '51 LLB



The Summer 1980 Guide to University Campus Lodgings

Old Alma can be a home away from home for graduates and their families visiting Edmonton over the summer.

The on campus Lister Hall guest suite rates are: \$16 (single per day); \$22 (twin per day). Residence room rates: \$14 (single per day); \$18 (twin per day).

Lister Hall is located 15 minutes from the City centre by bus, on the south side. Food facilities are available à la carte throughout the campus from 7 a.m. to 6:30 p.m. An informal bar, "The Ship," is open in the evenings. Parking is available at \$.50 per day. Cash only; credit cards are not accepted. Advance reservations are recommended. Phone 432-4281.

Campus lodgings for graduates and families are available at most Canadian Universities. Identification is not absolutely necessary but recommended. Alumni membership cards are available from the Alumni Office, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta. T6G 2E8.

Accommodate yourself this summer by requesting a copy of "Alumni Travelling—See Canada First" from Ms. Anne Pavlovich, Member at Large, Ont. Assn. of Alumni Administrators, Centennial College of Applied Arts, P.O. Box 631, Station A, Scarborough, Ontario. M1K 5E9. Price: \$1.00.



Alumni Homecoming 1980

FRIDAY, OCTOBER 3

8:00-10:00 p.m.

Wine & Cheese Party

Meet the Prof's
FACULTY CLUB

SATURDAY, OCTOBER 4

10:00 a.m.

Campus Tour—Rutherford Library (GALLERIA)

11:30 a.m.

Pre-Football Game Luncheon
LISTER HALL

2:00 p.m.

Football Game U. of A. Golden Bears vs
U.B.C. Thunderbirds

6:30-7:30 p.m.

Homecoming Reception
LISTER HALL

7:30 p.m. - 1:00 a.m.

Homecoming Banquet & Ball
LISTER HALL

SPECIAL CLASSES '20, '30, '40, '55, '60, '70, '75

TICKETS (ALUMNI OFFICE—432-3224)

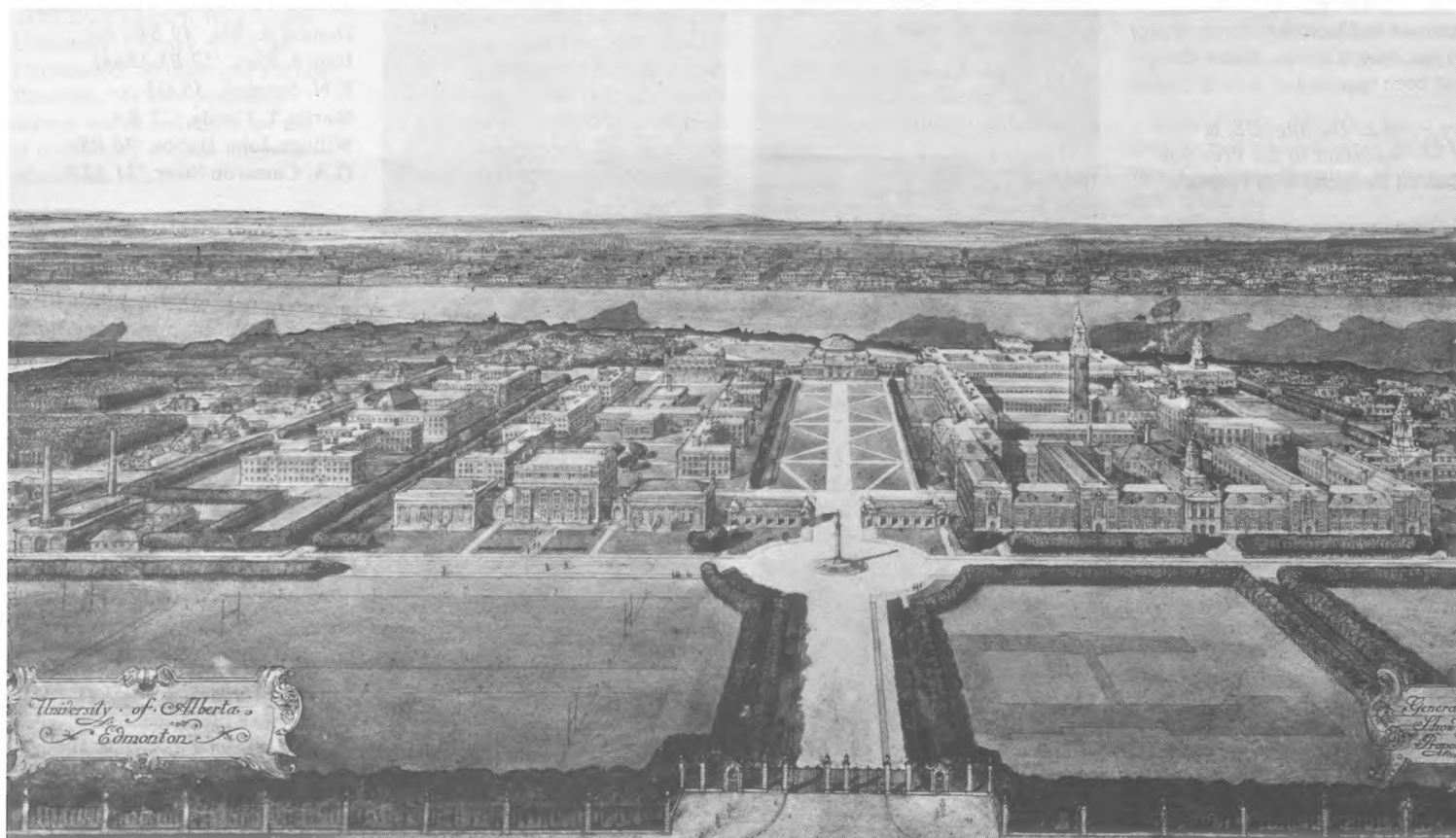
430 Athabasca Hall, U. of A.

<i>Wine & Cheese Party</i>	\$ 3.00/person
<i>Banquet & Ball</i>	\$12.50/person
<i>Luncheon & Football Game</i>	\$ 3.00/adults
	\$ 1.50/children
<i>Combination (all events)</i>	\$18.50/person

75th Anniversary

The University of Alberta will celebrate the 75th anniversary of its academic offerings in 1982-83. Alumni, staff, and students are invited to participate in the planning of the Jubilee celebrations by submitting ideas for special projects and events.

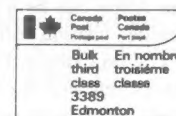
Please send your ideas to:
Dr. W.A. Presling, Chairman
75th Anniversary Policy Group
420 Athabasca Hall
The University of Alberta.
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